



BITS Pilani
Pilani Campus

Placement Unit, BITS Pilani
Internship Chronicles 22–23
Summer Internship Programme



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ANALYTICS



Name: Ram Nachiappan (2020A4PS0575P)

Company: Expedia Group

Company description (2-3 lines): Expedia Group is a leading global travel technology company, revolutionizing the way people plan, book, and experience travel. With a vast portfolio of online travel brands, including Expedia, Hotels.com, Vrbo, and more, they connect millions of travelers to the world's best destinations, accommodations, and experiences. Powered by cutting-edge technology and a passion for travel, they strive to make the entire travel journey seamless, personalized, and unforgettable for customers.

Job Profile: Data Science and Analytics Intern

Job Description:

- Understand the business requirements of the organization
- Perform AA and AB tests to validate hypotheses
- Develop a hypothesis on your own and test it
- Prepare a new metric for analytics

Location of Job: Gurgaon

Selection Process

Branches open to: All

CGPA Criteria: 7+

Recruitment Procedure: 4 Rounds

- Round 1: Fit Test (Values and culture based)
- Round 2: Strength based test (Some aptitude and video recording for situational questions)
- Round 3: Case study presentation
- Round 4: HR & Technical interview



Sources of Preparation: Geeks for Geeks

Relevant Courses and Certification: PnS, SQL, Python, Business acumen

Suggestions / Other Information: Work culture is very chill. Work environment is very healthy. The intern program is well defined and structured. A good learning experience even for beginners in the technical field.



Sector: Analytics

Name: Parth Patel (2020A7PS0026P)

Company: HDFC Bank

Company description (2-3 lines):

HDFC Bank was incorporated in August 1994. As of March 31, 2019, the Bank had a nationwide distribution network 5,103 branches and 13,160 ATM's in 2,748 cities/towns.

HDFC Bank is a young and dynamic bank, with a youthful and enthusiastic team determined to accomplish the vision of becoming a world-class Indian bank.

Job Profile: Model Validation Analyst

Job Description:

The person's primary responsibility will be end-to-end Validation of Market Risk model, Derivative risk model, Scorecards/Models across the Retail Credit Lifecycle that may include decision trees, regression models, AI/ML models. The role will also involve Projects on Automation and Implementations, liaising extensively with Credit, Policy, Risk Analytics, Credit Analytics, Audit, and IT including active engagement with Senior Management.

As a part of centralised team, the candidate will be responsible for a portfolio of models of varying materiality and will drive the detailed validation of said models as required.

Location of Job: Mumbai (initially WFH)

Selection Process

Branches open to: All

CGPA Criteria: None



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Recruitment Procedure:

Resume shortlisting, Online interview

Interview was taken by a senior VP at HDFC Bank. Started off with introduction, and some resume grilling. Discussion of projects and related ML questions. Changed the scenario of the basis topic.

Sources of Preparation:

Geeks for Geeks, Towards Data Science for basic ML interview questions. Be thorough with your projects and all relevant concepts and implementations used in them.

Relevant Courses and Certification:

DRM, basic ML knowledge

Suggestions / Other Information:

Be good with resume preparation. Finance acumen required (DRM concepts)



Name: Vedant Verma (2020A3PS0356P)

Company: HDFC Bank

Company description (2-3 lines): HDFC Bank Limited (also known as HDB) is an Indian banking and financial services company headquartered in Mumbai. It is India's largest private sector bank by assets. It provides a number of products and services including wholesale banking, retail banking, treasury and loans.

Job Profile: Model Validation Analyst

Job Description:

- End-to-End Validation of Market Risk model, Derivative risk model
- Scorecards/Models across the Retail Credit Lifecycle that may include decision trees, regression models, AI/ML models.
- Automation and Implementations, liaising extensively with Credit, Policy, Risk Analytics, Credit Analytics

Selection Process

- Resume Shortlisting
- Technical Interview: They expect you to be good with Machine Learning and Data science. They grill you on your resume and ask questions related to Machine Learning algos and some python libraries used in building a ML model.

Relevant Courses and Certification: Machine Learning by Andrew Ng (Coursera), Codebasics playlist on Youtube, Summer Analytics by IIT Guwahati's Consulting and Analytics Club.



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CORE: CHEMICAL



Sector: Chemical

Name: Deepika Sharma (2019B1A10960P)

Company: Hindustan Unilever Limited (HUL)

Company description (2-3 lines): HUL is the leading and largest fast-moving consumer goods company in India. Its products include foods, beverages, cleaning agents, personal care products etc. Its portfolio consists of household brands such as Lux, Lifebuoy, Surf excel, Rin, Wheel, Glow & Lovely, Pond's, Vaseline, Lakmé, Kissan, Kwality Wall's, Horlicks etc.

Job Profile: R&D

Job Description:

R&D Role:

- Work on a research project, with clear deliverables and identified targets. These projects are of critical importance to the specific business.
- Support the project leader by undertaking primary and secondary research.

Skill Set:

- A self-driven and inquisitive individual with an interest in research.
- Good knowledge about core chemical basics and concepts

Location of Job: Mumbai/Bangalore/Gurgaon

No. of offers made: 3



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Selection Process

Branches open to: Chemical Engineering (single and dual degree)

CGPA Criteria: None

Recruitment Procedure:

- Consists of 3 rounds: Assessment round, Case study round (HireVue round), Interview
Assessment Round- A Google form consists of subjective questions related to work experience, internships and personality-based questions. Time duration ranges between 12-24 hours to submit your response.
- Try to answer the questions precisely but in detail. For personality related questions, always give supporting examples.
- HireVue Round – This round is conducted on the HireVue platform. This is a video interview round, meaning you will have to record your answers in a video. You will be asked 3 questions. For each question, 1 minute will be given to read and prepare for the question. As soon as 1 min ends, a 3 min video starts recording where you will have to speak up your answer. Switching between questions is not allowed and there is no choice of other questions. Questions are related to product development and industrial processes. Time duration is 20 mins for this round
- Try to give answers in a structured way- explain your understanding of the question, give a solution(s) that comes to your mind and in the end conclude the answers. Try to speak for a whole 3 mins. Utilize the 1 min to jot down the main pointers and in forming the structure of your answer.
- Interview – There is 1 round of interview, mostly based on resume, HR questions and main chemical courses related questions. The time duration for this round is 30-40 mins. Prepare your resume thoroughly.



Sources of Preparation:

- Case Study Round – Watch videos and read articles about product development and industrial processes. For example, take an overview about industrial processes related to food related items, cleaning products(detergent, soaps etc.). Case studies related to product development and industrial processes.
- Interview- Revise basic concepts of chemical CDCs and prepare a resume thoroughly.

Relevant Courses and Certification: Remember the basic concepts in main chemical CDCs like Fluid Mech, Heat Transfer, SP1 for interview and case study round.

Suggestions / Other Information:

- Be good with resume preparation
- Answer the HR questions naturally using personal experiences and examples.



Sector: Chemical

Name: Sayon Mukherjee (2020A1PS1705P)

Company: ITC

Company description (2-3 lines): ITC Limited, commonly known as ITC, is a diversified conglomerate based in India. With a presence in multiple sectors such as cigarettes, FMCG (fast-moving consumer goods), hotels, paperboards, and packaging, ITC is one of India's leading private sector companies. Known for its commitment to sustainability and social responsibility, ITC has established itself as a prominent player in the Indian business landscape.

Job Profile: Core Technical Intern

Job Description:

- Understanding the whole process of transforming raw material into finished goods.
- Classifying and quantifying the time and material losses occurring in the process.
- Giving suggestions so that these losses can be reduced and hence the profitability of the company can be increased.

Location of Job: Haridwar

Selection Process

Branches open to: Chemical, Mechanical, Civil

CGPA Criteria: 7 and above

Recruitment Procedure: Resume Shortlisting & Interviews

Interviews: Two rounds of interview was conducted

- First round is mostly based on basic understanding of your branch like what are the subjects that you have studied and a few questions from them.



- Second round is technical plus HR. Most of the questions were asked from the resume(projects/internships) and a few other technical questions from the subjects that you have already studied followed by some HR questions.

Relevant Courses and Certification: Prepare all the 2nd year CDC's mostly the key concepts

Suggestions / Other Information :

- Be through with the projects that you have mentioned in your resume.
- Don't unnecessarily answer the questions that you don't know.
- Be natural with your answers, don't behave like a computer
- Ask for clarity if you don't get anything, otherwise you can answer in a complete wrong direction.
- Don't get confused while answering the questions because there will be instances where they will try to confuse you but be confident.
- Basic HR questions preparation.



Sector: Chemical Engineering

Name: Cyril Benny (2019B4A10584P)

Company: ITC Ltd. (ITC ICML Snacks and Noodles Factory)

Company description:

ITC Limited is an Indian conglomerate company headquartered in Kolkata. ITC has a diversified presence across industries such as FMCG, hotels, software, packaging, paperboards, specialty papers and agribusiness. ITC S&N Factory focuses on Production of Yippee noodles, Sunfeast Pasta and Vermicelli.

Job Profile: Core Technical Intern

Location of Job: Malur, Kolar, Karnataka

Job Description:

- Developing a quantitative operational model for S&B (Seasoning and Blending) Operations.
- Identification and elimination of NVA(Non-Value Addition) activities
- Automation of error inducing activities
- Standardization of operational practices and associated equipment/machineries across all plants

Selection Process

Branches open to: A1, A4, AB

CGPA Criteria: 7 and above

Recruitment Procedure: Resume Shortlisting, Technical Interview, HR Interview

Sources of Preparation:

Subjects: CET, FM



Desired Pre- requisites : Basic Mechanical Engineering Knowledge, Operations Management, Lean Manufacturing Principles.

Suggestions : Prepare your resume properly, all projects and internships done till date along with one or two of your favourite core subjects.



Sector: Chemical

Name: Arnav Singh (2020A1PS1565P)

Company: JSW Steel Ltd.

Company description (2-3 lines): The flagship company of JSW Group, JSW Steel is one of India's leading integrated steel manufacturers with a capacity of 18 MTPA. It is one of the fastest growing companies in India with a footprint in over 100 countries. With state-of-the-art manufacturing facilities located in Karnataka, Tamil Nadu and Maharashtra, it is recognized for its innovation and quality.

Job Profile: Core Engineering Intern

Job Description:

R&D Role:

- Projects will be well structured with specific goals required of the interns.
 - Intern will be assigned a mentor and 'buddy' to supervise their work during the project and guide them in achieving targets over the course of the internship.
 - The work role is in R&D sector and could involve both industrial and office work based on the intern's interests.

Skill Set:

- A technically oriented mindset,
- Fluent in applicable topics like material science, fluid mechanics and thermodynamics.
- Knowledge about company work roles and the history and establishment of the company.

Location of Job: Base location- Mumbai

Project location- Bangalore/Hyderabad/Gurgaon/Salem/Vijayanagar

Exit options: M. Tech., R&D roles in other core mechanical/chemical companies

No. of offers made: 3



Selection Process

Branches open to: Civil, Chemical, Mechanical & Manufacturing Engineering

CGPA Criteria: >7 CGPA

Recruitment Procedure:

Resume shortlisting, Online test, Group discussion, HR interview

Online test had 4 sections:

- Aptitude
- Analytical
- English
- Branch specific technical questions

Test was easy and if you had good reasoning and thinking skills you could get past the aptitude and analytical section. You needed basic and a little fluent knowledge of English language to ace the language section. Furthermore, a thorough revision of second-year CDCs was required to do well in the technical test which has questions on topics like fluid mechanics, thermodynamics, heat transfer, material sciences etc.

Group Discussion:

GDs were done in groups of 9 students. The adjudicator introduced the topic, gave us 2-3 minutes to prepare our content and start speaking in any order and any person could speak any number of times and they basically were trying to test the leadership quality amongst the group while checking if the candidate keeps the discussion inside the domain of the topic. There were 2 topics and the GDs took place one after another.

Interview:

The interview went on for around 20 minutes. They asked basically HR questions as follows:

- Personal family background
- Interest domains
- Reason for interest in the specified domain
- Weaknesses and strengths
- How did you overcome weaknesses
- Your future plans



Sources of Preparation:

Being thorough with basic HR questions. Good revision of second-year CDCs and working on your communication skills to perform better in the GD amongst a large group.

Relevant Courses and Certification:

No subject as such. Interns were asked easy questions from fluid mechanics, thermodynamics, heat transfer, material science. Preparing these subjects could prove useful.

Suggestions / Other Information:

- Be thorough with workings of the company
- Thoroughly prepared with your resume
- Have good vocational skills
- Be fast in online test



Sector: Chemical

Name: Sanjana Sunit Jamuar (2020A1PS0298P)

Company: JSW Steel

Company description: The US\$ 22 billion JSW Group is ranked among India's leading business houses. JSW's innovative and sustainable presence in various sectors including Steel, Energy, Infrastructure, Cement, Paints, Venture Capital and Sports is helping the Group play an important role in driving India's economic growth. The Group strives for excellence by leveraging its strengths & capabilities including a successful track-record of executing large capital-intensive & technically complex projects, differentiated product-mix, state-of-the-art manufacturing facilities and greater focus on pursuing sustainable growth.

Job Profile: Core Intern

Job Description:

The projects will have clear objectives that the interns must meet. A mentor and "buddy" will be given to each intern to oversee their work on the project and help them reach their goals throughout the internship.

Selection Process

Branches open to: Civil, Chemical and Mechanical. Graduating in 2024.

CGPA Criteria: 7+ CGPA

Recruitment Procedure:

They follow a four step process

1. Resume shortlisting
2. Aptitude test
3. Group discussion
4. HR interview

No. of offers made: 4



Name: Utkarsh Adhikari

Company: Schlumberger (now SLB)

Company description (2-3 lines): Schlumberger (SLB) is the world's largest technology provider in the oil and gas industry. It is both the world's largest offshore drilling company and the world's largest offshore drilling contractor by revenue.

Job Profile: Field engineer

Job Description: Field engineer (Production systems)

Location of Job: Depends on the Subsystem allocated, (Navi Mumbai, Assam, Gujarat, Andhra Pradesh)

Selection Process

Branches open to: All except CS.

CGPA Criteria: 7.00+

Recruitment Procedure:

1. Resume shortlisting.
2. Group discussion – After resume shortlisting, students were divided into 2 groups (10-12 students per group) and they were given abstract topics (separate for each group) to talk upon. GD lasted for around 15 minutes.
3. Group activity/task- shortlisted candidates were again divided into 2 teams (6-8 students per groups) and were asked to perform a group activity.
4. Interview – Interview consisted of both technical as well as non-technical questions. They look for the things you have mentioned in your resume.



Relevant Courses and Certification: No specific sources as such, be thorough with your core concepts.

Suggestions / Other Information: Having projects in your resume is a plus. Moreover, if you have a sports background, it will really benefit you. Do not lie on your resume as they really look for how genuine the person is.



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CORE: MECHANICAL



Sector: Mechanical

Name: Aprajita Gupta (2020A4PS0913P)

Company: ExxonMobil

Company description (2-3 lines):

ExxonMobil Corporation is one of the world's largest publicly traded international energy providers and petrochemical companies. It creates solutions that improve quality of life and meet society's evolving needs.

Job Profile: Core Intern

Job Description:

The internship is a technical-focused one and the openings are in project profiles focused on enhancing safety, profitability, efficiency and reliability of their assets. The responsibilities for the roles include:

- Building and maintaining engineering and computational models for projects and assets around the world
- Conducting simulation and technical studies, developing technical reports and providing improvement recommendations to businesses
- Monitoring and analyzing reservoir, production and operations data, and providing insights to optimize asset performance with direct influence on operations
- Incorporating process safety, maintenance, reliability and integrity best practices to enhance life cycle and performance of assets
- Delivering projects engineering and management of Greenfield and Brownfield projects
- Plan and execute work scopes by stewarding the safety, quality, cost, schedule and operability of the project, and complete the work scopes consistent with the project objectives and strategies
- Coordinate the development of Project Management System deliverables and ensure a smooth transition between various project stages, from Project development phase to Execution phase to Commissioning and Startup



Location of Job: Bengaluru

Selection Process:

Branches open to: Mechanical, Chemical, Manufacturing

CGPA Criteria: CGPA 7.0 and above with no active backlogs

Recruitment Procedure:

- Pre-placement talk, online test, GD, interview
- Pre-placement talk:
 - Conducted on Zoom
 - Provided information about the company and the Technology Center in Bengaluru, as well as their expectations from the candidates
- Online test:
 - Proctored aptitude test conducted on CoCubes
 - Duration: 1 hour
 - It consisted of 60 MCQs divided into three sections:
 - English (15 questions): Comprehension-based questions on the given passages. Each passage was 3-4 paragraphs long and had to be read carefully to answer the questions
 - Analytical (25 questions): Questions on interpreting data given in tables, seating arrangements etc. The table-based questions take up a good amount of time.
 - Quantitative (20 questions): Questions on concepts like time and distance, time and work etc.
 - Navigating between sections was allowed, as was going back to previous questions.
 - Time management was very important for the test, as the questions were not especially difficult.
 - 46 people from all 3 campuses were shortlisted based on this round.
- GD:
 - Conducted online on Zoom
 - It included 10 candidates and 2 panellists
 - Duration: 20 minutes
 - Topic: Movie business from theaters to OTT
 - 1-2 people from each GD were shortlisted for the interview
- Interview:
 - Conducted on Zoom
 - Duration: 30 minutes
 - There were 2 panellists
 - Questions asked:
 - Tell us something about yourself that isn't mentioned on your resume.



- What do you know about ExxonMobil?
- Why ExxonMobil?
- Questions based on my PS-1 project
- Questions based on my PORs
- Would you be interested in analytics or marketing projects?
- HR type questions on my work style and how I would react in certain situations
- The panellists were very friendly, and the interview felt like a relaxed conversation. There was no reason to be nervous about it.
- Some people had 2 interview rounds, but there was just 1 in my case.

Sources of Preparation:

- SI chronicles
- Resume
- PS-1 project report (go through the reports of any project mentioned on your resume)
- Slides and notes of second year CDCs (no questions from CDCs were asked to me, but preparing them is best)
- Indiabix website for aptitude practice.

Relevant Courses and Certification: No courses as such.

Suggestions / Other Information:

- Be attentive and note important or interesting points during the pre-placement talk. This will help during the interview.
- Go through your resume thoroughly and be prepared to answer any questions based on it.
- It may be too late to work on this, but having a good CG will be a plus.
- Remain available for the whole day interviews take place, as the scheduling may take place on short notice.
- Begin the interview with a smile and maintain a confident and calm demeanor during the interview.
- Answer the HR questions naturally. If you mention yourself as having certain qualities, try to support them with examples of situations where you used them.

All the best!



Sector: Mechanical

Name: Samikhya Nayak (2019B5A40845P)

Company: ITC

Company description (2-3 lines): ITC Limited is an Indian conglomerate in Kolkata. ITC has a diversified presence across industries such as FMCG, hotels, software, packaging, paperboards, specialty papers, and agribusiness. The company has 13 businesses in 5 segments. It exports its products to 90 countries.

Job Profile: Technical Intern

Job Description: Projects revolve around line optimization, process optimization, wastage reduction

Location of Job: Khurda, Odisha

Selection Process

Branches open to: Mechanical/Chemical/Manufacturing

CGPA Criteria: 7+

Recruitment Procedure: 1. Resume Shortlisting

2. Technical interview

3. Technical/HR both in one round

Sources of Preparation: Core Mechanical Coursework

Relevant Courses and Certification: Applied Thermodynamics, Fluid Mechanics, Mechanics of Solids, Heat Transfer



Sector: Core Engineering

Name: Vedika Gupta (2020ABPS1065P)

Company: Schlumberger (SLB)

Company description (2-3 lines): Schlumberger Limited provides oilfield services, doing business as SLB. It is the largest offshore drilling contractor and the largest offshore drilling firm in the world by revenue as of 2022. In 2022, the Forbes Global 2000 ranked Schlumberger as the 349th largest company in the world.

Job Profile: Field Engineer

Job Description:

- Add value to the company by giving innovative ideas.
- Interact with people to understand the oil and gas industry better.
- Visit the field and interact with the workers to study the equipment.

Skill Set:

- Conversant in giving presentations.
- Curious to learn about the industry.
- Good communication and interpersonal skills.
- Self-driven and dedicated individual.
- Willing to adjust according to the location allotted.

Location of Job: Base Location: Mumbai, Projects are allotted in locations: Mumbai, Barmer, Kakinada, Assam, Vadodara.

No. of offers made: 5.



Selection Process:

Branches open to: All single-degree branches except CS.

CGPA Criteria: 7+ for all branches

Recruitment Procedure:

- (a) Resume Shortlisting:
- (b) Group Discussion
- (c) Group Activity
- (d) Personal Interview

The resume shortlisting results were announced right after the pre-placement talk.

As for the **group discussion**, they give you very generic topics to discuss and 1-2 minutes of preparation time. You are not allowed to use the Internet. The discussion might last anywhere between 15-20 minutes.

You need to respect the rules of the discussion and at the same time, try and bring something new to the table.

Group Activity: We were divided into two groups. Each was given a set of toothpicks, marshmallows, and cello tape. The candidates were supposed to create a tower out of it, as tall as possible. A time limit of 15 minutes was allotted.

Post this, a question-answer session was organized between the teams where every candidate was given a minute to answer a question and ask one. The main judging criteria here was the performance in the question answer session.

Personal Interview: There is only 1 interview with a time limit of anywhere between 20-40 minutes. During the interview, they ask standard HR questions. Whether or not technical questions are asked, completely depends on the interviewer. They sometimes also ask you to showcase the extra-curricular activities that you have mentioned on your resume.

Be prepared for everything, it depends on the interviewer as to what he/she wants to evaluate you on.

Sources of Preparation:

Be thorough with the basic HR questions. As for manufacturing or mechanical students, study Material Science and Casting, Forming, and Welding properly.

Read about the company and understand its principles well.



Make sure to be very well-versed in whatever co-curricular activities you've mentioned on your resume. The process is generally completed within a day, so you probably won't get enough preparation time in between the rounds.

Relevant Courses and Certification:

No subject as such. Interns were asked easy questions related to basic HR things. Preparing these subjects could prove useful.

Suggestions / Other Information :

- Be good with resume preparation.
- Be logical while answering and HR should be natural.

Be very well-versed in whatever co-curricular activities you've mentioned on your resume.



Sector: Mechanical

Name: Vidushi Sahay (2019B1AB1007P)

Company: Schlumberger (SLB)

Company description (2-3 lines): SLB is a technology company that collaborates with clients to facilitate energy access, offering advanced digital solutions and implementing technologies to enhance efficiency and sustainability specifically tailored for the oil and gas industry, while also offering a wide array of comprehensive products and services within this sector.

Job Profile: Field Engineer Trainee (FET)

Job Description: FETs are assigned projects that pertain to various aspects of mechanical operations and supply chain management in different segments or business lines inside the company. The internship involves on-site experience within the energy industry, specifically focusing on the tools and services relevant to your specific business line allotted to you.

Location of Job: Variable depending upon business line and role (Locations were: Navi Mumbai, Barmer, Kazira to name a few, I was stationed at Kakinada)

Selection Process:

Branches open to: A1, A2, A3, A4, A8, AB (Single and Dual Degree)

CGPA Criteria: 7+ CGPA

Recruitment Procedure: After submitting internship applications to Superset, a Pre Placement-Internship talk was conducted post which the shortlist was released. SLB was among the few companies that organized offline internship rounds, SLB followed a series of additional stages including group discussions, group activities, and a final interview. For the internship process the rounds started at 7 PM and ended at 4 AM hence the process was unique and quite grueling in nature. The results of the selection process were announced on the same day. During my interview, the focus was primarily on my resume, particularly my positions of responsibility (PORs), extracurricular activities, past internships and projects. The entire selection process was completed within a single day.

Suggestions / Other Information : It's always advantageous to be thorough with whatever you include on your CV.



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CORE: SUPPLY CHAIN MANAGEMENT



Sector: Mechanical

Name: Saransh Jhunjhunwala (2019B1A41001P)

Company: Hindustan Unilever Limited

Company Description: Hindustan Unilever Limited is a consumer goods company headquartered in Mumbai, India. It is a subsidiary of Unilever, a British company. Its products include foods, beverages, cleaning agents, personal care products, water purifiers and other fast-moving consumer goods.

Job Profile: Unilever Leadership Internship Programme in Supply Chain

Job Description: An internship at Hindustan Unilever Limited under Unilever Leadership Internship Programme is an enriching and challenging experience. Interns get an opportunity to work on exciting live projects, with clear deliverables and identified targets. These projects are of critical importance to the specific business and interns will be expected to apply their technical knowledge to the tasks at hand. In the process, they shall develop a business perspective while getting hands-on experience. During the internship, they will be assigned a tutor, buddy and mentor who will guide them throughout the stint and help build a larger functional and business perspective. Students can apply for an 8-week internship at the end of which, they may receive a pre-placement offer based on their performance and fit with Unilever. If offered a placement, they will join us as a Management Trainee under the Unilever Future Leaders Programme in 2023.

Skill Set Requirement:

1. Practical knowledge of Supply Chain in FMCG
2. Strong Communication and Leadership Qualities
3. Problem Solving Approach

Location of Job: Mumbai Head Office and Various on-site factory locations

Exit options: E-Commerce, Consultancy, MBA Option

No. of offers made: 2



Selection Process

Branches open to: EEE, ENI, Mechanical, Manufacturing, Chemical Engineering

CGPA Criteria: None

Recruitment Procedure:

There were a total of 3 steps involved in the complete process:

1. **Short-listing based on Form Selection**

- You will be asked questions regarding yourself (HR Questions), your previous internship experience and 2 recommendations.
- Important points to keep in mind:
 - i. Give answers in STAR and CAR format.
 - ii. Answer HR questions with a real-life example from your life.
 - iii. In case of recommendation try to include recommendation from professors and colleagues from previous internships. Don't include friends and family members.

2. **Shortlisting based on HireVue**

- Online Interview. In this round, you will be asked 3 questions related to HUL Supply Chain and the problems faced by people at HUL. On your screen, a question will pop up and you will get 1 min to think about and then you will have 3 mins to answer the question.
- Important points to keep in mind:
 - i. Be good with basic Supply Chain Terminology (3P/2P) and try to include basic supply chain jargon in your answers.
 - ii. Only speak relevant information, even if that means speaking for less than 3 mins.
 - iii. Keep Pen and Paper with you, for noting down points in the first min.
 - iv. Be in formal wear.

3. **Final Interview**

- In this round questions would be asked based on the subjects, internships, and projects mentioned in your resume.

Important points to remember:

- i. Be good with the subjects mentioned in your resume. Expect application-based questions. Eg of typical flow of technical questions(What is a flow



meter? What are the different types of flow meter? Which type of flow meter has application?)

- ii. Be ready for abstract questions based on your resume. For Eg: (Does this particular project have an application in some other place? It would be better if you answer them about how it can be helpful for HUL)
- iii. Have some Extra-Curricular Activities/Passion/Hobbies. Try to include this in your introduction too. This will help to begin the conversation and gain confidence.
- iv. Be honest in your answers.

Sources of Preparation:

1. Prepare basic HR Questionnaires
2. HUL Site, and learning about their projects, ideologies and how HUL is moving towards sustainability.
3. Case-Based Questions that were asked in the previous years.
4. How in general FMCGs tackle various situations. For Eg- (How was their supply chain affected during COVID? How Political situations can affect the functioning of a factory?)

Relevant Courses and Certification:

1. Supply Chain Management(Most Imp in terms of HireVue)
2. Fluid Mechanics (Most Imp in terms of Final Interview)
3. Thermodynamics (Imp in terms of Final Interview)
4. Heat Transfer (Imp, if you mention in your resume / otherwise basic knowledge, is fine)

Suggestions / Other Information :

1. Resume point of view - Only mention projects and internships related to Mechanical. Please don't mention internships in IT. Do mention Extra-Curricular Activities.
2. Internship point of view - Try to take up internships in the core sector during PS (single degree+dual degree) and try to do an internship in the supply chain domain
3. Projects point of view - At least do one SOP/DOP/LOP before you sit for an internship. This will help to move the interview conversation.
4. In general -
 - a. Be good with your resume.
 - b. Have good technical knowledge regarding subjects mentioned in your resume. (At least)
 - c. Present your answers in STAR or CAR format during the complete process. (Form + HireVue + Interview)



Sector: Supply Chain, Core

Name: Arvind Balaji (2020ABPS1837P)

Company: Hindustan Unilever Limited (HUL)

Company description (2-3 lines): It's India's largest FMCG company and is responsible for brands like Dove, Axe, Magnum, Hellman's, Surf Excel. It has a strong presence in India and is known for its innovation and marketing skills. Their products include foods, beverages, and cleaning products. Has a very strong presence in the Indian Market and is a subsidiary of the British MC, Unilever.

Job Profile: Supply Chain Trainee, get exposed to the entire supply chain and will be given a project to take care of.

Job Description: A Project will be given by the first week and you'll be responsible for the deliverables including implementation. Will have to develop a business concept and apply technical skills to solve the problems in the project. A buddy will also be assigned to guide you in the Project.

Supply Chain Role:

- Think innovatively to transform the Supply Chain digitally
 - Improve Productivity and efficiency of manufacturing
 - Be aware of new technologies and how to integrate them at various points in the Supply Chain

Skill Sets:

- Inquisitive about new technologies
- Strong understanding of the various fields involved in Supply Chain
- Have a strong fundamentals in Supply Chain, Lean Manufacturing, Operations Management, Lean Six Sigma and have a general overview of how Industries function
- Having practical exposure in the assembly lines or Industries either through PS1 or off-campus can be a critical factor
- Understand the consumer very well and the problems faced by them and improvements that can be done to the products



Location of Job: Not revealed yet. But can be anywhere - Chennai/Puducherry/UP/Mumbai/Bangalore.

Exit options: Higher studies in Supply Chain management, Supply Chain Trainee/GET

No. of offers made: 2

Selection Process

Branches open to: ENI, EEE, Manufacturing, Mechanical, Chemical

CGPA Criteria: None

Recruitment Procedure: Pre Placement Talk, Application Form, Screening, Recorded Video Interview, Final Live Interview

- It was compulsory to attend the Pre Placement and the Google form link for application was sent via mail post the Talk.
- The Application had sections about previous internships, work experience, strengths, weaknesses, principles and values. It was more of a HR Interview than just filling an application form. It had to be filled carefully after evaluating skill sets and thinking about using your strengths for the company.
- The Recorded Video Interview was a Technical interview round but with application of technical skills to provide business solutions. The Interview had to be recorded on a platform. A problem statement is displayed on the screen. A minute is given to read the question and prepare your answer (the time can vary for longer questions). Then the recording starts immediately after a minute and a maximum of 3 minutes is given to propose your solution. 3 problem statements/Case Studies were given based on providing technical solutions to problems faced in logistics, production and also choosing a suitable market entry strategy (including the manufacturing strategy). The questions used technical skills to provide solutions and the final solution's impact on the business has to be highlighted. In the last problem, cost-benefit analysis of the solution proposed was needed along with a business strategy.
- In the Recorded Interview, explain all your points very well. And give reasons for all your points and business strategies. Base everything on logic, data and its impact on the business and how your solution will be most suited amongst others.
- The Final Interview was a mix of HR and technical questions. Questions about your interests, strengths, career goals, and why you'll be a suitable candidate for SCM will be asked. Technical questions will be asked next on the Projects/Internships/Subjects mentioned in the Resume. In my case, questions about Lean manufacturing because of my Project and I had mentioned the Subject in my Resume. Questions will mostly be based on your research of the company (maybe brands, top



leaders) and the SCM role and its responsibilities can also be asked. Also, this Interview tests your temperament too. You'll be asked to justify everything you say or is written in your Resume. So, answer all you know clearly and confidently. And don't beat around the bush, if you are not sure, say so confidently. And being polite and respectful goes a long way. Be cool and confident throughout the Interview.

- For the Live Interview - Be very thorough with your Resume and mention your confident subjects very carefully. Also research well on the role and the company. A crisp Introduction highlighting only relevant experiences is good.

Sources of Preparation:

Go through online sites to get a very good idea of Supply Chain and the various fields it encompasses. Read about how new technologies have been applied to SCM and what possible tech can be integrated further. Read about the company, the role. Be very thorough with your Resume and the subjects mentioned in it. There are various online courses on Supply Chain but a practical project in an Industry can prove to be extremely rewarding and crucial.

Relevant Courses and Certification: None as such. Read some case studies before the Recorded Interview and have very good knowledge of current happenings in the Industry and new technologies. Your Projects/Internships/ subjects mentioned in Resume will be the focal point of your final interview.

Suggestions / Other Information :

- Be good and careful in Resume preparation
- Justify everything
- Be well aware of new technologies and current happenings of SCM
- Be cool and confident



Sector: Chemical

Name: Shreya Chouhan (2019B4A10784P)

Company: Mondelez International

Company description (2-3 lines): Mondelez International is one of the largest snack companies in the world with global net revenues of approximately \$31.5 billion in 2022, and with operations in more than 80 countries. They make and bake snacking brands such as Cadbury, Tang, Bournvita, Oreo, 5 Star and much more. They're focused on accelerating growth by investing in both global and local heritage brands. They believe in implementing innovative ideas and tactics at all levels, driving growth in new channels, and building new and existing partnerships that best serve their consumers.

Job Profile: Supply Chain Technical Intern

Job Description:

- Support the planning and execution of supply chain activities to ensure the timely and efficient movement of goods and materials.
- Analyze supply chain data and trends to identify opportunities for optimization and cost reduction.
- Identify bottlenecks or inefficiencies in the supply chain and propose solutions for improvement.
- Continuously develop your knowledge of supply chain management practices, industry trends, and relevant technologies
- Assist in implementing best practices and standard operating procedures (SOPs) to ensure consistent and effective supply chain operations.

Location of Job: Mumbai/Sri City/Baddi/Induri/Malanpur

Recruitment Procedure: Resume Shortlisting > Group Discussion > Personal Interview



Sector: Supply Chain Management

Name: Shaurya Parikh (2020A4PS1877P)

Company: Procter & Gamble

Company description (2-3 lines):

P&G was founded over 180 years ago as a soap and candle company. They specialise in a wide range of personal health/consumer health, personal care and hygiene products; these products are organised into several segments including beauty; grooming; health care; fabric & home care; and baby, feminine, & family care. Today, they're the world's largest consumer goods company and home to brands, including Always®, Charmin®, Braun®, Fairy®, Febreze®, Gillette®, Head & Shoulders®, Oral B®, Pantene®, Pampers®, Tide®, and Vicks®

Job Profile:

Product Supply Intern (Logistics & Supply Chain Management)

Job Description:

In this internship role, you will have the opportunity to be on the floor to meet different challenges, make decisions and see quickly the results. You will discover P&G's technologies that are worldly recognized. You will also discover P&G's standards and methods. In the end, you will build your own capabilities through job experience, mentoring and training. During your internship, you will be allocated a project under one of the following verticals -

- Production - Packing
- Production - Making
- Product Quality



Location of Job: Undisclosed

Exit options: Pursuing an MBA, Pivoting to Management Consultancy and Project Management

No. of offers made: 3

Selection Process

Branches open to:

- B.E. (Hons.) - Mechanical Engineering,
- B.E. (Hons.) - Electronics & Instrumentation
- B.E. (Hons.) - Chemical
- B.E. (Hons.) - Electrical & Electronics
- B.E. (Hons.) - Manufacturing Engineering

CGPA Criteria: No CGPA Criteria

Recruitment Procedure:

Pre-placement Talk, Online Test 1, Online Test 2, Technical Interview 1, Technical Interview 2

Online Tests -

- The First Online Test was based on Human Relations Questions. The Test had no time limit and only objective MCQ questions. The test was easy and the objective was to gauge the Behavioural Profile of the student.
- The Second Test was an Aptitude + Quick Math Test. It consisted of multiple sections, alternating with math and logical reasoning-type questions. The test was easy but requires quick thinking and prolonged focus to solve accurately. Navigating to previous questions was not allowed. The Test was Limited Time-based.

Personal Interviews -

- In the First Technical Interview, the questions were based on The resume and past work/internship experiences. Questions were asked based on previous learnings and mistakes committed - how you rectified and improved on the task. It is important to be thorough with your resume and past experiences. Situational Case questions were asked, similar to the kind of problems faced in the supply chain and logistics space.



- The Second Technical Interview was focused mainly on Situational Cases and Employee management. The cases presented were more complicated than the previous round and required a step-by-step procedure to break down and solve. Clear and well-analysed answers will be appreciated.

Sources of Preparation:

- YouTube Videos on HR questions and commonly asked Management Role Interview Questions
- Case Prep Books - Victor Cheng Resources, Case In Point & Case Interviews Cracked
- Practice solving logical reasoning questions under a time limit (if deemed necessary at an individual level)

Relevant Courses and Certification:

- Did not mention any specific subjects completed. A few questions on Supply Chain Management Principles were asked.
- Knowledge of Supply Chain Management Concepts will help you solve the Interview Case Questions in a systematic manner.

Suggestions / Other Information :

- Give clear and well-thought answers. State assumptions you make while solving case problems. Provide helpful details wherever applicable. Be attentive and do not waiver away from the Question asked.
- Be very thorough with everything on your resume.



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DATA SCIENCE



Sector: Data Science

Name: Krish Vora (2019B3A70819P)

Company: Atlassian

Company description (2-3 lines): Atlassian is a leading software company that specializes in creating collaborative tools for teams. With a focus on improving productivity and streamlining workflows, Atlassian offers a suite of innovative products, including Jira, Confluence, and Trello, that empower organizations to plan, track, and manage their projects effectively.

Job Profile: Data Science Intern

Job Description:

In the Analytics and Data Science team, you'll have the opportunity to:

- Play with our seriously large volume of data to discover insightful trends, and then collaborate with other Atlassians to turn your insights into actions, drive smarter business decisions and ultimately, delight our customers
- Measure the impact of our product and platform strategy; designing and analysing experiments and business launches
- Share your high-quality insights and recommendations to peers and leadership in order to influence or drive critical business decisions
- Super-launch your career through our experienced analyst mentoring while gaining invaluable exposure to the role of analytics and data science at a fast-growing global technology giant

Location of Job: WFH with an optional choice to work from office in Bangalore

Selection Process

Branches open to: Msc Economics

CGPA Criteria: 7+



Recruitment Procedure: Two rounds of interviews. First round was a business case study and SQL queries on the same. The second round was on Atlassian values wherein they asked HR questions with respect to the 5 values of Atlassian.

Sources of Preparation: For SQL, the basics can be learnt from Youtube or the DBMS labs in BITS. For practicing questions, do look at Ankit Bansal's channel which has a lot of great questions to practice.

Relevant Courses and Certification:

DBMS Labs or else basics of SQL from any other source eg. Youtube

No. of offers made: 2

Suggestions / Other Information: Atlassian takes its values very seriously. They give equal importance to the values round. Thinking of honest answers beforehand that align with the values would be very helpful.



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ELECTRONICS (ET)



Sector: ET

Name: Ananya Singh (2020A8PS1804P)

Company: Google

Company description (2-3 lines):

Google is a multinational public company based in the United States. Google aims to design, build, code and create for everyone. Google has the mission of making the world's information universally accessible and useful. Google has a large variety of products with over a million users: Search, Maps, Youtube, GPay, Google photos, Gmail and many more. At google we truly have the ability to touch millions of lives around the world.

Job Profile: Silicon Intern

Job Description:

- The Silicon team builds system-on-chip solutions for google devices like mobile phones, watches, earbuds and tablets. Builds custom Socs and software optimized for machine learning with higher levels of security capabilities.
- To build powerful Silicon integrated with optimized software to offer unmatched user experience.
- To design and develop compelling solutions that make user interaction with computing faster, easier and seamless.
- To work at multiple aspects of Silicon development from architecture to design implementation, design verification, physical design , design for test,emulation and prototyping, silicon validation , product and test engineering.

Location of Job: Bangalore/Hyderabad

Exit options: Joining semiconductor industry in future

No. of offers made: 1 (for Google hardware), 7 for Software

Selection Process

Branches open to: EEE/ENI

CGPA Criteria: 7+



Recruitment Procedure:

The Recruitment Procedure has the following stages:

- Apply to Google via the campus process.
- Google online challenge: 30 min focusing on core tech skills in multiple choice format. It focused on rtl coding, Microprocessors, CMOS Analog and VLSI Design, Scripting languages.
- Interviews: I had 2 rounds of interviews(45 min) conducted virtually.
- Offer

Sources of Preparation: Class notes, Neso academy lectures for digital design, some coding platforms for practising C/C++, you tube videos for Verilog.

Relevant Courses and Certification: 2nd year Electronics especially Digital design, Computer Architecture, Verilog, Computer programming in C/C++ (basics should be strong), rtl coding, Microprocessors, CMOS Analog and VLSI Design, Scripting languages.

Suggestions / Other Information :

Revise Digital design topics very well.



Sector: ET

Name: Yash Tripathy (2020A3PS0998P)

Company: Luminous Power Technologies

Company description (2-3 lines): Luminous Power Technologies is a powerful and trustworthy brand with a wide range of innovative products in the power backup, and residential solar space.

Job Profile: Summer Intern

Job Description:

Luminous is working on the cutting-edge technologies of

1. Power Electronics
2. Embedded Programming
3. Wireless communication (Wi-Fi, BLE)

These technologies in tandem with Software (Cloud, Mobility) help us develop best-in-class Consumer IoT solutions. Our interns have opportunities to work with cross functional teams and domain experts to contribute in the critical parts of the exciting solutions through:

1. Conceptualization
2. Design
3. Development
4. Validation

Location of Job: Gurugram

Selection Process

Branches open to: All

CGPA Criteria: Minimum 6.5



Recruitment Procedure: Resume Shortlisting and Interview

Having a high CG (8 or above) is preferred as they only shortlisted 2 students in this round who had a good CGPA. Having experience in Power electronics is a big plus as that is what you'll be working on if you are selected for an internship here.

Interview was not that hard. There was only 1 interview which had the technical questions as well as the HR questions. They asked questions from ES mostly (started with some theory questions about semiconductors and diodes and then asked some diode circuit questions) and then they asked about your projects.

Sources of Preparation: I just revised my Analog courses like ES and MuE as this is power electronics type company so questions from diodes, MOSFETs or BJT are very probable.

Relevant Courses and Certification: ES and some basic concepts of ED were asked in my interview but just revise MOSFETs and BJT as well (MuE).

Suggestions / Other Information : Just be straight forward in the interview. Questions won't be that hard and the interviewers are very helpful. Just clearly admit if you don't know the answer to any question so that they either move on or give you some hints. Have thorough knowledge of your projects as they ask questions related to that too.



Sector: ET

Name: Nikitha Kannan (2019B5A80670P)

Company: Nvidia

Job Profile: Core Intern

Job Description:

GPU ARCHITECTURE TEAM

GPU architecture team is engaged in the development of industry leading high performance and power efficient GPUs. Specific areas include architecture modeling, analysis and performance verification. The team works on GPUs across all application domains such as gaming for PC and mobile devices, professional graphics & visualization and high-performance computation.

GPU ASIC DESIGN / VERIFICATION TEAM

Today NVIDIA's GPUs simulate human intelligence, running deep learning algorithms and acting as the brain of supercomputers, robots, and self-driving cars that can perceive and understand the world. We are seeking a passionate, innovative, and highly motivated senior verification engineer to join us in the development of the next generation of PCI Express controllers used in NVIDIA's GPUs and SOCs. In this position, you will be responsible for verification of the ASIC design, architecture and microarchitecture using advanced verification methodologies. You are expected to understand the design and implementation, define the verification scope, develop the verification infrastructure and verify the correctness of the design. You will be working with architects, designers, pre and post silicon verification teams to accomplish your tasks.

TEGRA SOC DESIGN & VERIFICATION

Tegra ASIC team (Design Verification)

As a Hardware Engineer at NVIDIA you will design and implement the industry's leading Graphics, Video and Mobile Communications Processors. Specific areas include 2D and 3D graphics, mpeg, video, audio, network protocols, high-speed IO interfaces and bus protocols, and memory subsystem design.



You will be responsible for Architecture and microarchitecture design of the ASICs, RTL design and synthesis, Logic and Timing verification using leading edge CAD tools and Semiconductor process technologies.

CPU VERIFICATION TEAM

As a design and verification/validation engineer in the ARM CPU team, you will be working on the next generation of 64 bit ARM CPUs and SOCs. As part of this assignment the intern will get a chance to learn about computer architecture at a very granular level, System Verilog, Design Verification, SOC Verification, Verification methodologies and C/C++ programming. The intern also will get an opportunity to get familiar with industry standard tools in verification and validation. During the course of the internship, the intern will contribute to building test benches, developing architectural simulators, modifying random instruction generators and creating stimulus for verification and validation of different units of the CPU and SOC.

POST SILICON VALIDATION TEAM

As a post silicon validation engineer you would be working on cutting technologies in post silicon validation, thermal validation, silicon characterization, board bring-up and would be playing with oscilloscope in the lab.

Location of Job: Bangalore

No. of offers made: 1

Selection Process

Branches open to: EEE/EnI

CGPA Criteria: 8+

Recruitment Procedure: Written Test + Technical Interview

Sources of Preparation: Digital Design notes, previous year GATE questions, basic aptitude, syntax of C

Relevant Courses and Certification: DD, Verilog, C Programming

Name: Sindura Patria (2020A8PS1812P)



Company: Nvidia Hardware

Company description (2-3 lines): Nvidia is an American multinational technology company incorporated in Delaware and based in Santa Clara, California. It designs graphics processing units (GPUs), application programming interface (APIs) for data science and high-performance computing as well as system on a chip units (SoCs) for the mobile computing and automotive market. Nvidia is a global leader in artificial intelligence hardware and software.

Job Profile: ASIC Intern (Digital domain)

Job Description:

- Develop test plans, tests and verification infrastructure for PCIE at IP/sub system/SOC level
- Create verification environment using UVM methodology
- Create reusable bus functional models, monitors, checkers and scoreboards
- Drive functional coverage driven verification closure
- Work with architects, designers and post silicon teams

Skill Set:

- Good communication skills and ability and desire to work as a team player.
- Good debugging and problem-solving skills.
- Good concepts and understanding in EEE/ENI subjects.

Location of Job: Bangalore

Exit options: Joining semiconductor industry in future.

No. of offers made: 2

Selection Process

Branches open to: EEE/ENI

CGPA Criteria: 8+

Recruitment Procedure:



Online Test, Interview

Test had 3 sections:

1. Digital
2. Coding
3. Aptitude & puzzles

Test was moderate to difficult. However, it is important to maintain speed to finish all questions. On clearing the test, an interview was conducted.

Sources of Preparation:

Make sure to be thorough with Digital Design. Revising from the lecture notes and watching Neso Academy YouTube channel will suffice. For practice refer to GATE questions. Also go through the fundamental concepts of Microprocessors & Interfacing, Verilog, a few basics of STA and Computer Architecture.

Relevant Courses and Certification:

Digital Design, Electrical Sciences, Electronic Devices, Microprocessors, Microelectronics, few concepts of Computer Architecture.

Suggestions / Other Information:

- Have a good understanding of C++ coding.
- Practice a few questions based on puzzles and aptitude for the interview and test.



Sector: ET

Name: Raghav Khandelwal (2019B5A30822P)

Company: Qualcomm Hardware

Selection Process

Branches open to: EEE/ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online Test - Aptitude + Programming basics + Digital Interview - 1 round, Resume + Digital questions + HR

Sources of Preparation: Class notes for Digital design and YouTube playlists for STA and CompArch, GeekforGeeks for programming basics, indiabix.com for aptitude, NPTEL lectures on YouTube for Verilog

Relevant Courses and Certification: C programming and Python basics, Digital Design, Static Timing Analysis (STA), Computer Architecture, Verilog/VHDL



Sector: ET

Name: Ryan Biswas (2020A3PS0350P)

Company: Qualcomm Hardware

Company description (2-3 lines):

Qualcomm is an American multinational corporation headquartered in San Diego, California, and incorporated in Delaware. It creates semiconductors, software, and services related to wireless technology. It owns patents critical to the 5G, 4G, CDMA2000, TD-SCDMA and WCDMA mobile communications standards

Job Profile: Hardware Engineering Intern

No. of offers made: 2

Selection Process

Branches open to: B.E. EEE/ENI

CGPA Criteria: 7 and above

Recruitment Procedure:

Online Test, Technical Interviews

Test had 3 sections:

1. Aptitude
2. C Programming
3. Digital electronics

Test was lengthy. Each section had a cut off time of 30 minutes with 20 questions each. The C programming section consisted of questions on outputs, pointers and a bit of DSA. Digital electronics section consisted of questions from flip flops, counters, shift registers, K Maps, STA.

Interviews: We had a single technical interview round only.



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The interview was heavily focussed on my resume. I had to explain my PS 1 project at the beginning. He then proceeded with DD and asked questions on flip flops, counters, frequency dividers, Verilog and STA. He then proceeded with some aptitude questions and then asked whether I had any questions for him in the end.

Sources of Preparation:

Digital Design by Morris Mano and Neso Academy YouTube channel for revision of concepts. Verilog from Nptel was very helpful.

Suggestions / Other Information :

- Be good with resume preparation
- Be logical while answering.
- Have good concepts of Digital Design



Sector: ET

Name: Vansh Mittal(2020A3PS0997P)

Company: Texas Instruments

Company description: Texas Instruments designs, manufactures and delivers semiconductors for the electronic designers and manufacturers.

Job Profile: Analog Intern

Location of Job: Bangalore

No. of offers made: 15 (analog-13)

Selection Process

Branches open to: EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure:

- Online Test, technical interview.
- All the students above 7 CGPA (who applied) were allowed to give the online test. After which the shortlisted students had one technical interview round. There was no HR round.
- **Online test:** The test consisted of 3 sections i.e, aptitude, analog and digital. Each section was for 45 minutes and consisted of 20 questions each. We were given the choice to apply for either of the roles(digital/analog) or both. The Aptitude section was compulsory. The questions asked in aptitude were typical logical reasoning/maths questions. In analog, questions asked were on RC/RLC/RL circuits, op amps and concepts taught in electrical sciences courses. If you have a good grasp on op amps and RC circuits, you will find the test on the easier side. In digital, questions were on MUX, half adders, full adders, sop/pos conversions, etc.



- **Technical round:** I had only an analog interview. The interviewer asked me if I am comfortable with RC circuits. Then he gave me a rc low pass circuit and asked its output waveform if given a step input voltage. Then he started making the circuit complex and asked various things related to it. The interviewer will help you wherever you are stuck. Just be loud so that he/she can know your approach to solving. Approach matters the most. Then after he was satisfied with rc analysis, he moved on to op amps. He gave me two questions on opamps. After that, he gave me a complex circuit which contained capacitors, diodes and multiple switches. Switches were controlled by a clock. And he asked me to find out the output waveform. He was more interested in knowing my approach to the problem which tested my basics.
- **Preparation for technical round:** RC circuits and Op Amps are the most important for TI interview. Your basics should be very clear in these two. Revise microelectronic circuits, signals and systems and control systems.
 - In Mue, instead of solving the Rout, Rin, gain, etc mathematically, you should focus more on an intuitive approach.
 - In signals and systems, the basics of Laplace transforms should be clear. They won't directly ask you this but it makes some questions easier.
 - In control systems, concepts of feedback and stability should be clear. He asked me some basics of feedback.

Sources of Preparation:

- RC circuits and OpAmps- Chembiyan T YouTube videos (should be enough).
- For MuE, SAS, and ConSys- revise your notes properly. And for complete mue intuitive analysis one can refer to AIC lectures of Chembiyan T YouTube playlist.
- Practice prev. years GATE questions.
- One can also go through this site once - <https://rlcanalog.blogspot.com/2021/05/rc-circuit-transient-this-tutorial-is.html>

Relevant Courses:

ES, MuE, SAS, Consys, Ed

Suggestions / Other Information :

- One should be vocal about the thought process behind any problem solving in the interview.
- Be thorough with your projects. I wasn't asked about my project but some students were asked. Mention skills/projects only which you are confident about.
- One should start the preparation as soon as the summers after 2-2 starts



Sector: ET

Name: Aditya Bhalerao (2020A3PS0433P)

Company: Texas Instruments

Company description:

Texas Instruments Incorporated (TI) design, manufacture, test and sell analog and embedded semiconductors in markets that include industrial, automotive, personal electronics, communications equipment and enterprise systems. It is one of the top 10 semiconductor companies worldwide based on sales volume.

Job Profile: Digital Intern

Job Description:

- Digital design – including architecture definition, RTL implementation and simulation in NCSIM and mixed-signal AMS tools,
- Back-end implementation: synthesis, timing closure, place & route, DFT development
- Digital and mixed-signal simulation and verification: bench and test case definition, WREAL model development
- Implementation of Digital signal processing and filter algorithms

Location of Job: Bangalore

Exit options: Job in semiconductor industry

No. of offers made: 2



Selection Process

Branches open to: All BE and dual degree

CGPA Criteria: 7+

Recruitment Procedure:

Online Test:

The online test consisted of 3 sections- aptitude, analog and digital sections and it was MCQ based. The aptitude section was compulsory but it was optional to attempt analog or digital (or both). The analog part consisted of questions from RC circuits, current, voltage and power calculations, op-amps and signals and systems. The digital section consisted of basic digital design questions, Static timing analysis, RTL based coding and assembly language. Aptitude section was based on BITSAT-type questions, for e,g, distance-time, venn diagram, logical pattern detection, direction of shadow (North east west south) and so on.

Around 70 students for analog and 15 for digital were shortlisted for interviews, including few who were shortlisted for both the profiles.

Interview:

- Analog interview- Questions were based on RC circuits and op-amps. I was asked to plot the time domain response of an RC low pass filter with voltage step input. Then the interviewer added resistors and capacitors in series and parallel in the subsequent questions and asked me to plot the Bode plot for each configuration. He then asked me if I had studied op-amps. I had a basic understanding of virtual ground and KVL from the electrical sciences course. I told him that I can try a question on which he gave a circuit and asked to calculate the gain of an inverting amplifier. Then he asked me how to determine if an op-amp is connected to negative or positive feedback. I wasn't sure about this concept, so he guided me by giving hints and I figured it out on the go.
- Digital interview-
 - Q1 - Given an input which ranges for more than one clock cycle, detect the falling edge. Output should be high at the falling edge of the clock.
 - Q2- Design a programmable sequence detector for both overlapping and non-overlapping sequences.
 - Q3- Design a comparator for 2 bits values A and B.
 - Q4- Design the logic with 8-bit value as input and $\log_2 k$ of that number as output. Use approximations for numbers not powers of 2.



Sources of Preparation:

- Analog
 - Lecs by prof Chembiyan T - Youtube
 - Razavi textbook
 - Microelectronics lecs by Prof. Anu gupta
- Digital
 - Verilog programming from hdlbits website.
 - Digital design course- Course lecs and Neso academy.
 - Static timing analysis- VLSI expert

Relevant Courses and Certification:

Compulsory disciplinary courses- Electrical sciences, Electronic devices, Digital design, Microelectronic circuits, Signals and systems, Control systems, Microprocessor interfacing.

Suggestions / Other Information :

- It is highly recommended to watch RC circuits lectures by Prof Chembiyan. Solving questions intuitively impresses the interviewer.
- DO NOT ADD THE SUBJECTS YOU AREN'T CONFIDENT ABOUT IN YOUR RESUME.
- Be vocal while solving questions.
- Be thorough with the basics and solve enough questions.



Sector: ET

Name: Arjav Praveen Jain (2020A3PS1788P)

Company: Texas Instruments

Company description (2-3 lines):

Texas Instruments Incorporated (TI) is an American technology company headquartered in Dallas, Texas, that designs and manufactures semiconductors and various integrated circuits. It is one of the top 10 semiconductor companies worldwide based on sales volume. The company's focus is on developing analog chips and embedded processors, which account for more than 80% of its revenue. TI also produces TI digital light processing technology and education technology products including calculators, microcontrollers, and multi-core processors.

Job Profile: Analog Intern

Job Description:

As a design engineering intern, you'll architect new TI products and make our customers' visions a reality. You'll define, design, model, implement and document analog, digital, and RF integrated circuits (ICs). And, you'll have the opportunity to work in exciting areas like audio, imaging, high-speed, interface, clocking, medical, high volume linear, automotive, storage, power supply, battery management, linear power and many more.

Some of your responsibilities will include, but will not be limited to:

- Partnering with business teams and system engineering to develop mutually agreeable design specifications
- Providing high-level analysis on chip architecture trade-offs to ensure spec compliance and superior performance at a competitive cost
- Participating in design reviews and creating the necessary design and product documentation
- Supervising IC layouts to ensure a high-performance standard
- Characterizing prototypes, developing test specifications and coordinating with test/product engineering to drive product releases
- Driving behavioral models



Location of Job: Bangalore

Exit options: MS/ MBA

No. of offers made: 15

Selection Process

Branches open to: EEE and ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online test, Technical interview

Test had 3 sections

- Aptitude: General aptitude and mental ability questions
- Digital: Digital electronics questions involving flip flops, mux, counters, registers and logic questions.
- Analog: Analog electronic questions like OpAmps, RLC circuits, MOSFETs and BJT's.

Each section had 20 questions and had individual timers of 45 minutes each. Each section had individual cutoffs.

Interview: My interview lasted for about 75 mins. They had asked me about RL, RC and RLC circuits. input output waveform questions. questions on conservation of charges, KCL KVL, bode plots and pole zero analysis of RLC circuits, average current and charges through the circuit. They also asked a question on op amps and virtual ground.

Sources of Preparation:

Being thorough with ES and 2nd year courses. YouTube series by Chembiyan T and few intuitive question-solving.

Relevant Courses and Certification:

Electrical Science, Digital design, Microelectronics, Control Systems, and Signals and Systems.

Suggestions / Other Information:

- Talk through your thought process in the interview



- Be logical and don't give up on any question without giving it an attempt.



Sector: ET

Name: Pratyush Gupta (2020A3PS1028P)

Company: Texas Instruments

Company description (2-3 lines):

TI India was set up in 1985 and has R&D presence for all the major business units of TI including Analog - (Data Converters, Amplifiers, Clocks & Synthesizers, Motor Drives, Power Management) and Embedded Processors (Connected Microcontrollers, Radar, ADAS- Advanced Driver Assistance and Infotainment Processors etc.) and caters to products for different market segments - Industrial, automotive, personal Electronics, Communication and Enterprise

Job Profile: Analog Intern

Job Description:

As an Analog/Digital Engineer at TI, You'll define, design, model, implement and document Integrated Circuits (ICs). You will also have the opportunity to work in exciting areas like audio, energy automation, electronic point of service, industrial automation, infotainment, ADAS, Imaging, high speed interface, clocking medical, high volume linear, automotive, storage, power supply, battery management, linear power, DLP and many more.

Your responsibilities will include:

- 1) Partnering with business teams and systems engineering to develop mutually agreeable design specifications
- 2) Providing high-level analysis on chip architecture trade-offs to ensure spec compliance and superior performance at a competitive cost
- 3) Participating in design reviews and creating the necessary design and product documentation
- 4) Supervising IC Layouts to ensure a high-performance standard
- 5) Characterizing prototypes, developing test specifications and coordinating with test/product engineering to drive product releases
- 6) Driving behavioural models : The internship will give you a flavour of the real work at TI. You would be assigned to a real time project where your deliverables will be fed into the deliverables of your team. You would be assigned a mentor who would work very closely with you and guide you through the entire process.



Location of Job: Bangalore

Exit options: PPO, Joining other ET firms

No. of offers made: 15

Selection Process

Branches open to: EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure:

- Online Test (Aptitude, Technical etc.), Technical Interview.
- They have shortlisting based on the online test, and then Round I for technical interview (which is mostly deciding one) for internship.
- Online Test: There were 20 aptitude and 40 technical questions including 20 each for Analog & Digital domain. The questions were mainly application focused and require crystal clear understanding of the basic concepts of Network Circuits, Digital Electronics & Analog Electronics. Bode plot, RC circuits, simple op-amps configurations, LP and HP filter (frequency analysis), pole-zero locations and MOSFET operation related questions are commonly asked.
- Preparation for Technical Round: Just the revision of basic concepts of Analog and Digital Electronics and solving out some standard problems given in the standard books or in Competitive preparatory material.
- Technical Round: The first interview was for analog domain and taken through video conference. It started with some basic network theory questions based on RC circuits(frequency response) and went on with some more complex ones. It was then followed by some questions on Op-Amps. They are more interested in getting the problem solved and analysed intuitively rather than having a mathematical solution to it.



Sources of Preparation:

- For Analog: Ch2 of Analog Electronics by LK Maheshwari, Fundamentals of electrical engineering from any standard book and Opamp.
- For Digital: Digital IC Design by Jan M Raebey and Digital Design class notes.
- Important Courses: MuP, MuE, ADVD, Analog Electronics

Relevant Courses and Certification:

Electrical Sciences, Digital Design, Electronic Devices, Microelectronic Circuits, Analog and Digital VLSI Design, Analog Electronics

Suggestions / Other Information :

- Be crystal clear with the core concepts and think open-mindedly for the solution rather than writing big mathematical equations in interviews.
- Projects: Yes, they do. From projects, if done seriously you can get to know practical design related problems which are equally important as conceptual ones.



Sector: ET

Name: Arushi Goel (2019B2A31011P)

Company: Texas Instruments, Bangalore

Company description: Texas Instruments Incorporated (TI) is an American technology company headquartered in Dallas, Texas, that designs and manufactures semiconductors and various integrated circuits, which it sells to electronics designers and manufacturers globally. It is one of the top 10 semiconductor companies worldwide based on sales volume.

Job Profile: Digital Intern

Job Description:

- Digital Design – including architecture definition, RTL implementation and simulation in NCSIM and mixed-signal AMS tools.
- Back-end implementation: synthesis, timing closure, place & route, DFT development.
- Digital and mixed-signal simulation and verification: bench and test case definition, WREAL model development.
- Implementation of Digital signal processing and filter algorithms.

Exit options: Joining semiconductor industry in future

No. of offers made: 3

Selection Process

Branches open to: EEE/ENI/ECE

CGPA Criteria: 7+

Recruitment Procedure:

I was offered an internship after the successful completion of WiSH (Women in Semiconductor and Hardware) mentorship program.

It was a month-long mentorship program for female engineering students. First three weeks of the mentorship program were online and the fourth week was onsite. The program included a mix of virtual and in-person mentoring, hands-on experience designing a chip through simulation experiments, lab visits, and technical talks, as well as informal networking sessions with the leaders at TI. Every day we used to have mentor sessions, exercises based on analog/digital circuits, quiz and talks with industry leaders.



Selection process for the mentorship program was-

1. Profile based shortlisting
2. Aptitude test
3. Shortlisting based on the candidate's application and performance on the aptitude test.
4. Interview/Discussion with TI engineer.

During the course of the mentorship program, our performance was evaluated based on mentor feedback, daily and weekly tests and group project and internship offer was given based on that.

Sources of Preparation: Practice of general Aptitude questions and commonly asked questions in TI interviews through YouTube videos. Revision of class notes.

Relevant Courses and Certification:

Digital Design, Microelectronic circuits, Electronic Devices, Electrical Science

Suggestions / Other Information :

1. In the application form for the mentorship program, besides our basic details like CGPA, we were asked to submit an essay, letter of recommendation and resume.
2. In the interview, basic HR questions and technical questions were asked.
3. During the mentorship program, keep communicating with your mentor, ask doubts. Show your curiosity and interest towards the subject.



Sector: ET

Name: Aniket Pandey (2020A8PS1549P)

Company: Texas Instruments

Company description :

Texas Instruments is an American company that designs, manufactures, tests, and sells analog and embedded semiconductors in markets. Texas Instruments is one of the top 10 semiconductor companies worldwide and is a pioneer in many semiconductor-related innovations, including developing the first integrated circuit.

Job Profile: Analog Intern

Location of Job: Bangalore

No. of offers made: A total of 15 offers were made by Texas Instruments, out of which 13 offers were for the analog domain, and the remaining 2 offers were for the digital domain.

Selection Process

Branches open to: EEE and ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online Test followed by a Technical Interview



The Online test had 2 sections :

- 1) Aptitude Section: There were a total of 20 questions that needed to be done in 45 mins and there was no negative marking, the pattern of questions includes:
- Finding the missing number in series.
 - Counting the number of squares in a given figure.
 - Coding-decoding question.

- 2) Analog Section: Again there were 20 questions that needed to be done in 45 mins and there was no negative marking, the pattern of questions includes:
- Charging and discharging of RC circuits.
 - Differential Amplifier.
 - Wheatstone bridge.
 - Finding equivalent resistance and P-N junction.

Most of the questions in the analog section could be done with the knowledge of JEE level physics. Overall the test was easy, however maintaining a good speed is important to finish your test in time.

- 3) Technical Interview: The number of rounds can vary, but in our case, Texas took only 1 round of technical interview and there was no HR round as well in our case.
- The interview began with a short introduction, after which they straight away jumped into the technical questions. Most of the question involves drawing a circuit diagram.
 - In my case even though I applied for the analog profile, the interviewer asked some questions related to the digital domain, so it is important to revise a few digital domain concepts even when you are applying for the analog role.
 - Be ready to defend any points that you have mentioned in your resume, because a cross question is very likely to come from the interviewer related to your resume.



Sector: ET

Name: Avantika Raniwala (2020A3PS1780P)

Company: Texas Instruments

Company description (2-3 lines): Texas Instruments, Dallas-based pioneer developer of silicon transistors, integrated circuits, pocket calculators, and semiconductor microprocessors, produces a wide range of consumer, industrial, and military electronics and hardware.

Job Profile: Analog Intern

Job Description:

- Partnering with business teams and system engineering to develop mutually agreeable design specifications.
- Providing high-level analysis on chip architecture trade-offs to ensure spec compliance and superior performance at a competitive cost.
- Participating in design reviews and creating the necessary design and product documentation.
- Supervising IC layouts to ensure a high-performance standard.
- Characterizing prototypes, developing test specifications and coordinating with test/product engineering to drive product releases.
- Driving behavioral models.

Location of Job: Bangalore

Exit options: Joining semiconductor industry in future.

No. of offers made: 3

Selection Process

Branches open to: EEE/ENI/ECE

CGPA Criteria: 7+

Recruitment Procedure: I got the internship through a one month mentorship program at Texas Instruments. For selection the following steps were as follows:

- Application shortlisting – statement of purpose, resume, LOR
- Aptitude test – very basic math, puzzles, and paragraph reading
- Interview Round – DD questions like designing gates with 2:1 MUX, Explanation of MOS characteristics and basics of op-amps, I was also asked some general questions on P-N junctions.



The one month mentorship program was four weeks long for which 3 weeks were online and 1 week was offline in TI's Bangalore office. The first three weeks involved mentor interactions, circuit simulations followed by daily and weekly tests, interaction with TI employees and study of a research paper. In the last week we had hands-on experience, lab visits and interactions. Based on our performance for the one month they offered internships.

Sources of Preparation: GATE previous year questions, DD lectures by Ajmera Sir and basic MOS characteristics and operational amplifiers.

Relevant Courses and Certification: Digital Design, Microelectronic Circuits, Electronic Devices.

Suggestions / Other Information:

- You should have an LOR from the professor of EEE department for application process.
- You will need to write a strong statement of purpose too.



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Sector: ET

Name: Rohit John Mathew (2020A8PS1806P)

Company: Texas Instruments

Company description (2-3 lines):

Texas Instruments is a company that designs and manufactures semiconductors and various integrated circuits. It is one of the top 10 semiconductor companies worldwide.

Job Profile: Analog Engineer

Job Description:

- Design, model, implement and document analog, digital and/or RF IC's.
- Work in areas like audio, imaging, high-speed, clocking, etc.
- Participate in design reviews and creating necessary design and product documentation
- Drive behavioral models

Skill Set:

- Strong analytical and problem solving skills
- Strong verbal and written communication skills
- Ability to take initiative and drive for results
- Ability to work in a fast-paced and rapidly changing environment

Location of Job: Bangalore

Selection Process

Branches open to: EEE/ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online Test, Interview

Test had 3 Sections:

1. Aptitude: Simple logic based questions
2. Analog: Questions on RC circuits and Op-Amps were asked
3. Digital: Questions were based on DD, STA, Verilog



The test was easy. All the questions were created to test the understanding of the subject. Plenty of time was available to solve all the questions properly.

Interview:

There was one round of interview. I was shortlisted for both the analog and digital interviews. Each interview lasted about 1.5 hours.

Analog Interview:

- Many questions were based on plotting the output of the RC circuit to voltage and current inputs.
- Questions on various Op-Amp configurations were asked.
- I was also asked questions on Micro-Electronic Circuits

Digital Interview:

- I was asked to implement some boolean functions using only 2:1 multiplexers.
- I was then asked to find the no. of 2 input nand gates to create an n input nand gate.
- The rest of the interview was based on CMOS inverter and STA.

Sources of Preparation:

- RC Circuits: YouTube playlist by Chembian T.
- OpAmp Configuration: electronics-tutorials.ws
- STA: vlsi-expert.com
- MuE: Razavi
- DD: Morris Mano

Relevant Courses and Certification:

Thorough understanding of basics in subjects like Electrical Science, Microelectronic Circuits, Digital Design.



Sector: ET

Name: Nikita Tawani (2020A8PS1803P)

Company: Texas Instruments

Company description : Texas Instruments, Dallas-based pioneer developer of silicon transistors, integrated circuits, pocket calculators, and semiconductor microprocessors, produces a wide range of consumer, industrial, and military electronics and hardware.

Job Profile: Analog Intern

Job Description:

- Partnering with business teams and system engineering to develop mutually agreeable design specifications .
- Providing high-level analysis on chip architecture trade-offs to ensure spec compliance and superior performance at a competitive cost .
- Participating in design reviews and creating the necessary design and product documentation.
- Supervising IC layouts to ensure a high-performance standard.
- Characterizing prototypes, developing test specifications and coordinating with test/product engineering to drive product releases .
- Driving behavioral models .

Location of Job: Bangalore

Exit options: Joining semiconductor industry in future

No. of offers made: 3

Selection Process

Branches open to: EEE/ENI/ECE

CGPA Criteria: 7+

Recruitment Procedure:

I got the internship through a one month mentorship program at Texas instruments. For that the following steps were applicable :

- Application shortlisting
- Aptitude test based shortlisting
- Interview Round



After that a one month mentorship program was there in which three weeks were online and one week offline at Texas instruments campus. The first three weeks involved mentor interactions, circuit simulations followed by daily and weekly tests, interaction with TI employees and study of a research paper. The last week was offline where we had hands-on experience, lab visits and interactions. Based on our performance for the one month they offered internships.

Sources of Preparation: Aptitude questions available online and GATE previous year questions.

Relevant Courses and Certification:

Digital Design, Microelectronic circuits, Electronic Devices

Suggestions / Other Information:

- You should have an LOR from the professor of the EEE department for application process.



Sector: ET

Name: Kshitij Sanghi (2020A3PS0401P)

Company: Texas Instruments

Company description : Texas Instruments Incorporated designs and manufactures analog technologies, digital signal processing (DSP) and microcontroller (MCU) semiconductors. TI is a leader in semiconductor solutions for analog and digital embedded and applications processing. A global semiconductor company, TI innovates through design, sales and manufacturing operations in more than 30 countries.

Job Profile: Digital Intern

Job Description:

- Back-end implementation: synthesis, timing closure, place & route, DFT development
- Digital and mixed-signal simulation and verification: bench and test case definition, WREAL model development
- Implementation of Digital signal processing and filter algorithms

Location of Job: Bangalore

Exit options: MTech in core electronics from foreign universities, job in the semiconductor industry.

No. of offers made: 2



Selection Process

Branches open to: EEE/ENI single and dual degree.

CGPA Criteria: 7+

Recruitment Procedure:

An online written test comprising 20 Q each for aptitude, analog and digital electronics. Aptitude section was compulsory but candidates could choose between analog and digital or even do both. Around 70 students were shortlisted and then there was one technical interview each for analog and digital. Based on this the offers were made the same day.

Digital interview - I was asked 4 questions that included Mux design, sequence detector , Fibonacci generator and a question on STA which was very easy.

Analog - I was asked about RC circuit waveforms , diode circuits ,op amp based circuit and impedance calculation of MOS configurations.

Sources of Preparation:

- Analog - Lecs by prof Chembiyan T - Youtube for op amps and RC circuits. Razavi or sedra textbook for MuE . Microelectronics lecs by Prof. Anu Gupta
- YouTube videos of Himanshu Agarwal for Analog questions.
- Digital
 - Verilog programming from hdlbits website.
 - Digital design course and gate questions for practice.
 - Static timing analysis- VLSI expert

Also refer to ET placement unit drive for other materials which contain good question banks.

Relevant Courses and Certification:

CDC - DD, MuE , ES , SaS ,basics of op amp design and verilog

Suggestions / Other Information :

For any interview, always be vocal and keep telling the interviewer what you are thinking even if it's not entirely correct, the interviewer will guide you. Be clear with your basics, no need to do thousands of questions and read every material available, if you have a good understanding of the fundamentals you should be able to crack it. If you have done any relevant projects, do mention those .



Sector: ET

Name: Kapil R Tripathy (2019B1A30852P)

Company: Texas Instruments

Company description (2-3 lines):

Texas Instruments Incorporated (TI) is an American technology company headquartered in Dallas, Texas, that designs and manufactures semiconductors and various integrated circuits, which it sells to electronics designers and manufacturers globally. It is one of the top 10 semiconductor companies worldwide based on sales volume. The company's focus is on developing analog chips and embedded processors, which account for more than 80% of its revenue. TI also produces TI digital light processing technology and education technology products including calculators, microcontrollers, and multi-core processors. The company holds 45,000 patents worldwide as of 2016.

Job Profile: Analog Intern

Location of Job: Bangalore

No. of offers made: 13 analog 2 digital (keeps changing **drastically** every year)

Selection Process

A technical test took place first with basic ES level questions along with a section for aptitude. Total duration was 80 mins 40 mins for each (aptitude and analog section). If a student chose for both digital and analog profile then he/she was given a 120 min test (40+40+40). Students selected from there were eligible for interviews. A single round took place but generally 2 rounds take place one with Hr and another technical round.

Branches open to: EEE/ENI

Sources of Preparation:

- The test and interviewer puts emphasis on your RC, RLC and LC circuits and their responses (both 1st order and 2nd order). Understand how poles and zeros work and how they can be used to stabilize/destabilize systems. Learn the basics of Signals and systems and Opamps (only till integrator differentiator and schmitt trigger and oscillators very easy)



concepts). From Microelectronics course he will check your skills at finding gain, Rin, Rout, poles and zeros intuitively.

- Finding everything intuitively is very important hence follow [Razavi lectures](#) especially electronics part 2 (if you are clear with part 1) as they will come handy in fast analysis (as time is limited) as well as future course work like ADVD. Though they dont ask frequency response questions but stability analysis and compensation techniques were mentioned in prep guide shared by a TI HR.
- **(Extremely important)** Prepare RC transient analysis from [here](#) and follow only 68-75 lectures. Solve some diode questions as well and understand the solution approach. Once these concepts are clear go for [this](#) channel to look from previous year TI interview and written test questions.
- [All about electronics quiz](#) Important channel to revise concepts of MuE and OpAmp design. Focuses on BJT part mostly.
- [All about electronics MOSFET](#) from 32 to 50. Important parts are cascode, differential amplifier and current mirror.
- OpAmp heory - from [here](#) upto 18 is fine but complete it just in case.
- Bodeplots nyquist plots, 2nd order responses (interviewers love step and impulse responses) are also thing to focus at.
- For Fourier transformations in SAS go for Neso Academy short playlists
- For aptitude IndiaBix is enough. Very basic questions are asked but keep practicing.

Suggestions / Other Information :

- Stay calm. Keep your basics clear. Feel free to ask interviewer doubts. **Read the entire question carefully no matter how easy it seems.** Keep smiling and be cheerful while answering questions. Dont sit quietly if you dont know the answer keep **thinking loudly** it will help you get hints.
- **People generally prefer to put their MuE assignment out of their resume but it serves as an advantage if you include it. They ask questions directly from there and if you are well prepared about the topic of your assignment then you can direct the interview towards your own advantage. I was asked intensely about current mirrors and cascodes as my resume reflected that I know about it a bit.**
- Overall, the preparation is easy and can be done in 20 days (speaking only for analog).



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INFORMATION TECHNOLOGY (IT)



Sector: IT

Name: Namit Shrivastava (2020A2PS1767P)

Company: Accenture

Company description: Accenture is a Dublin-based company that specializes in offering professional services in business strategy, consulting, digital, technology, and operations. Each service has various technologies and employees dedicated to it.

Job Profile: SDE Intern (Advanced Application Engineering Analyst)

Job Description: Project: Information Security Management(ISM)-NA Shared Services Market: Accenture Security. This includes the use of Microsoft Azure, Sentinel, Currys. Monitoring Breach in the servers and making appropriate Automation code procedures to handle them based on priority index.

Location of Job: Bengaluru, Karnataka

Selection Process

Branches open to: All BE Degree

CGPA Criteria: 7 and above

Recruitment Procedure: (Online Test, Interview). The online test consisted of MCQs and 2 coding questions. The questions were based on a mix of OOP, OS and Computer Networks. The test was easy if one had basic knowledge of these subjects. Now for the Interview, it was conducted virtually wherein the recruiter thoroughly discussed my Resume and especially the projects. Then I was asked regarding my strengths and weaknesses. As for the technical stuff, it was mostly based on my Projects(AI/ML) and a bit of cloud computing. My suggestion is be confident and honest in your answers. If you don't know a question then simply say no and ask for hints in a polite and friendly manner.



Sources of Preparation: YouTube (for OOP, OS, DSA and CN), Coursera(AI,ML,SQL), Data Science Minor courses(AI, ML and Applied Statistical Methods)

Relevant Courses and Certification: Smartkowner, Internshala, Azure fundamentals, Coursera, Postman API

Suggestions / Other Information : Even if your CS fundamentals are not strong enough, you can compensate for that with your projects. Be thorough in each and every aspect of your projects and be confident in answering the questions. Always maintain eye contact (be it virtual) and always be involved in the conversation. give your opinions and views whenever the recruiter discusses some general things.



Sector: IT

Name: Pratinav Mongia (2020ABPS1575P)

Company: Accenture

Company description (2-3 lines): Accenture is an Irish-American professional services company based in Dublin, specializing in information technology (IT) services and consulting. Accenture's current clients include 91 of the *Fortune* Global 100 and more than three-quarters of the *Fortune* Global 500. As of 2022, Accenture is considered the largest consulting firm in the world by number of employees.

Job Profile: SDE Intern (AEH Internship)

Location of Job: Base Location-Bangalore. We had a remote internship.

Selection Process

Branches open to: All B.E

CGPA Criteria: 7+

Recruitment Procedure:

3 Rounds were conducted -

1. Online test - 2 DSA questions (one easy and one medium level difficulty) were asked. Questions on Object Oriented Programming and Operating Systems were also asked.
2. Non technical online test - Situation based questions were asked.
3. Technical/Managerial Interview - I was asked questions about my projects that I had mentioned on my resume. I was also asked a few conflict resolution questions as well.



Sources of Preparation: Coding Ninjas DSA Course and GFG interview experiences

Relevant Courses and Certification: You should have knowledge of DSA, OOP and OS.

Suggestions / Other Information :

- If you are targeting an SDE role, command on DSA is a must.
- Having technical projects on your resume gives you a good topic of discussion during your interviews. Mention only those projects you are confident with, as there is a high chance that you will have a discussion on your projects during the interview.



Sector: IT

Name: Kshitij Tandon (2020A7PS0972P)

Company: Amazon

Company description:

Amazon Inc. is an American multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence.

Job Profile: SDE Intern

Location of Job: Bangalore

No. of offers made: 5

Selection Process :

Branches Open To: BE CS, EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online assessment followed by a DSA round in interview. Online assessment consists of 2 DSA based questions followed by a survey based on the leadership principles of Amazon (which is non evaluative). After the shortlisting based on the OA, there is one round of interview which is focused again on your DSA skills, based on which the final selection is done.

Sources of Preparation:

Practice from Leetcode and also do company specific questions from GeeksForGeeks.

Suggestions / Other Information :

- Try to complete both the questions in the OA in order to be shortlisted.
- You can read about other people's interview experiences from GFG.
- Focus on your soft skills too for the interview.



Name: Arnab Tripathi

ID: 2020A7PS0082P

Company: Amazon

Company Description: Amazon.com is an American multinational company which works in multiple sectors but mainly focusses on e-retailing, cloud computing, online advertising and last but not least artificial intelligence.

Job Profile: SDE Intern

Job Description:

Role: I have to configure quiz themes in quiz game at Amazon funzone. Right now the themes getting rendered when the game loads is static with SDE's themselves selecting what will be rendered at the front-end after consultation with marketing managers. But after completing my task I enabled them dynamically using Dynamo DB of AWS service by storing theme information there and then getting the corresponding information using API calls thereby making the process easier and efficient as now the marketing can make their themes independently without any Dev support upload it on DB and then campaign managers can select the themes from the set, This will clear up precious dev-time which can be put in other fruitful tasks rather than enabling some static theme background and then deploying them all around which is a hectic process.

Skill Set required: Broadly speaking knowledge of these is required:

1. JavaScript
2. Java
3. ReactJS

But other than that I also worked on JSP and Ruby. Apart from that you also need good interpersonal skills so as to communicate effectively with your manager and mentor regarding the blockers you are facing and your concerns.

Location of Job: Bangalore.



Sector: IT

Name: Vansh Gupta(2020A7PS0315P)

Company: Arcesium

Company description (2-3 lines):

Arcesium designs advanced data, operations, and analytics capabilities for the financial services industry. Their consultative approach, cloud-native technology, and deep domain expertise help their clients achieve transformational business outcomes.

It is a Post trading Company whose parent company is DE Shaw.

Job Profile: SDE

Job Description:

Skill Set:

- A self-driven individual with a good understanding of DSA.
- Good knowledge of DBMS and OOP concepts
- Strong communication and interpersonal skills

Location of Job:

Could get anywhere out of Gurugram/Bangalore/Hyderabad (main). I got Hyderabad.

Exit options:

Pre-Placement Offer in the firm.

No. of offers made: 2

Selection Process

Branches open to:

All BE and dual degree



CGPA Criteria: 7+

Recruitment Procedure:

Resume Shortlisting, Online Test, Interviews

Test had 3 sections:

1. Aptitude
2. CS Fundamentals
3. Coding round (2 questions)

The Test was on the difficult side. The Coding round questions were tough and in order to get shortlisted you need to solve at least one. The CS Fundamentals were a bit tricky but if you have revised your basic concepts then it will not be tough and the Aptitude Section was lengthy.

Interviews: The number of rounds were 4 if you get shortlisted after each round (3 Technical + 1 HR).

- First round is mostly based on Easy-Medium level questions. You will be shared a Hackerrank Codepair link where the interviewer will ask you two Competitive Coding questions and you will have to code your solution at the same time explaining your approach and the time complexity.
- Second round is similar to the first round, just the level of difficulty of questions increases. The questions will be similar to LeetCode Medium level.
- Third round is more of DBMS and OOP. There the interviewer will ask you questions on these topics. You need to revise the basic concepts like ACID, levels of normalization and basic principles of OOP. The interviewer also asked me to write certain SQL Queries.
- Fourth Round was HR round, where the HR would ask me about my Resume about the projects I have done and a bit about myself.

Sources of Preparation:

Solving Medium and Hard level LeetCode questions and revising CS CDCs through javapoint or Gate Smashers (Youtube channel). Go through GFG interview experiences, you will get to know about the type of questions and what all are asked.

Relevant Courses and Certification: OOP, DBMS, DSA

Suggestions / Other Information:

- Be good with resume preparation
- Be calm during the interview, even if you are not able to think of an approach instantly, talk to the interviewer just don't sit idle doing nothing.
- Have good practice of Competitive Coding questions, there are high chances that the question will be directly taken from some of the site.



- During Online Test, having a good Apti score is equally important.

Sector: IT

Name: Harsh Priyadarshi (2020A7PS0110P)

Company: Capital One

Company description: It is primarily a banking company, but is diversifying in different areas, the branch in India is only for providing technical solutions to the problems faced while diversifying as well as independent projects.

Job Profile: Software Developer

Job Description: To make an API linter to ease and standardize the process of API review. The work I was assigned to was largely JavaScript (TypeScript), though there were many ML/AI/LLM projects.

Location of Job: Bangalore

Selection Process

Branches open to: CS/EEE/ENI

CGPA Criteria: 7+

Recruitment Procedure:

1. MCQ quiz: It involved basic computer science subjects such as OOPS and DSA, also required subjects of 3rd year like Computer Networks and Operating Systems. Resume was also thoroughly reviewed along with your MCQ score, as some with lower score did make it through based on resume.
2. The interview had 4 rounds:-
 - a. Case Interview-1 (Time : 40 minutes)



In these types of interviews, you will be given a situation and based on the situation you may be asked to provide an algo/pseudoCode/proper Code or some class diagrams and designs which will use OOPS.

Question 1) Suppose there is a game which is being played by multiple players. There is a rank list also available on which players are ranked according to their scores. The Scores change randomly, causing the ranking to change as well. Now, think of a data structure which can contains the players details and score, and do the following function in $o(1)$ or $O(\log n)$ time

- 1) Find Player from Rank
- 2) Find Rank from Player Name
- 3) Edit players details/score and change rank list accordingly
- 4) Add/Delete players, this will also cause changes to the ranking.

Question 2) you have a Map which maps String(ItemName) to some tags, or an Array of strings and you have been given an item along with its tags, and a list of all the items, each with their tags. Formulate a recommendation system where for the given item, all items where no of tags that match is greater than 3 is shown as a recommended item.

You have to type your working code and upload the solution in a google form, It's not necessary to give a proper working code, as your thinking matters more, though defining some classes and writing code for algos would help. They will manually review your code.

b. Case Interview-2 (Time : 40 minutes)

Simulate a Bowling Game. There are 10 sets in a game and each set has 2 balls. If a player does a Strike (10 pins knocked down) in 1 ball, the score of the next two balls get added to this set (the score will remain in their set, this is just a bonus). In the case of two balls being used to score 10 pins, it's called SPARE condition and the score of the next ball is added to the same set. In Case of Strike/Spare on the last ball, two/one bonus ball will be provided, after which no more balls will be provided. In this round, they asked for a working code.

c. Technical Interview

Be thorough with your resume, if you are not confident about something, don't put it in the resume just to fill skills.

d. HR Interview



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Sources of Preparation: GFG, InterviewBit, Leetcode

Relevant Courses and Certification: OOPS, DSA, Computer Networks and OS



Sector: IT

Name: Dhaval Sharma (2020A4PS1887P)

Company: Cisco

Company description (2-3 lines):

Cisco Systems, Inc., commonly known as Cisco, is an American-based multinational digital communications technology conglomerate corporation headquartered in San Jose, California. Cisco develops, manufactures, and sells networking hardware, software, telecommunications equipment and other high-technology services and products. Cisco specializes in specific tech markets, such as the Internet of Things (IoT), domain security, videoconferencing, and energy management with leading products including Webex, OpenDNS, Jabber, Duo Security, and Jasper.

Job Profile: Software Engineer

Job Description:

Software Engineer Role:

- Participate in feature design discussions and contribute innovative ideas and solutions.
- Contribute to small subsystem architecture design and write functional specs.
- Support the project leader by undertaking primary and secondary research.
- Perform complex subsystem-level unit, integration, and dev tests.

Skill Set:

- A self-driven individual with good problem-solving skills.
- Solid understanding of distributed systems and networking principles, plus a working knowledge of related disciplines, e.g., computer security, algorithms, database, and operating systems.
- Strong communication and interpersonal skills.

Location of Job:

Base Location– Bangalore

Exit options: MBA in IIM.

No. of offers made: 3



Selection Process

Branches open to: Open for All

CGPA Criteria: 7.0

Recruitment Procedure:

Online Test, Resume Shortlisting, Interviews

Online Test had 2 sections:

1. MCQ - Questions on networking and data structures.
2. Coding - 2 Coding questions were given of medium level.

MCQ's were easy. However, it is important to maintain speed to finish all MCQ questions. Coding questions were of medium level.

Interviews: The number of rounds were 2 and a HR round.

- First round was based on resume and DSA questions and some project related discussion and general questions.
- Second round was managerial round in which a puzzle was given to solve to which you had to explain your approach and in-depth discussion of project took place and also questions on networking were asked.
- Third round was HR round with common questions like “Why Cisco”, “Your future plans” etc

Sources of Preparation:

Solve Leetcode or InterviewBit for DSA questions. Study about Networking and OOP. You should be well-versed with your project work.

Relevant Courses and Certification: No subject as such.

Suggestions / Other Information:

- Be good with resume preparation.
- Be logical and confident while answering.
- Understand the question properly before answering and explain your approach clearly and don't directly tell the most optimal approach.
- Networking and puzzles are important.



Sector: IT

Name: Utkarsh Darolia (2020A7PS0981P)

Company: D.E. Shaw

Company description (2-3 lines):

The D. E. Shaw group (DESCO) is a global investment and technology development firm with more than \$60 billion in investment capital as of March 1, 2022, and offices in North America, Europe, and Asia. Since its founding in 1988, the firm has earned an international reputation for successful investing based on innovation, careful risk management, and the quality and depth of its staff. They have a significant presence in the world's capital markets, investing in a wide range of companies and financial instruments in both developed and developing economies.

Job Profile: Technology Developer Intern

Job Description:

- Gaining insights into the financial domain
- Acquiring an end-to-end understanding of trading systems workflow and building core trading system components
- Working on transformative tools, enhancing data analysis libraries and building data visualisation platforms
- Designing and implementing scalable, real-time software

Location of Job: Hyderabad/Bangalore

No. of offers made: 3

Selection Process



Branches open to: CS, EEE and ENI

CGPA Criteria: For CS - 7+ and For EEE/ENI - 8+

Recruitment Procedure:

Online Test, Resume Shortlisting, Interviews

The online test had 3 DSA questions with different scores and different allowed times to solve.

I had 3 interviews in total, 2 technical and 1 HR.

In the first technical round, I was asked –

- To explain polymorphism in OOPs with examples. They told me to write an example code for both types of polymorphism and cross-questioned about my code.
- Several SQL queries which required knowledge of joins and, group by and having statements of SQL.
- Two DSA questions –
 - First question required me to build a data structure supporting functions `insertElement()`, `deleteElement()`, `searchElement()`, `deleteMaxElement()` and `deleteMinElement()`. The last 4 functions are required to have constant time complexity. My final approach was to use a doubly linked list and store addresses of each node in a `HashMap`.
 - Second question was to find sum of the maximum element of all subarrays of a given array. So, if `arr = [1, 2, 3]`, then `sum = 3*3 + 2*2 + 1*1`. My approach was to find the current maximum element of array, find number of subarrays it will be part of, add (maximum element*no. of such subarrays) to the answer and remove the maximum element from the array. This had to be done recursively for new subarrays. I used set data structure to do this efficiently. <https://leetcode.com/problems/sum-of-subarray-minimums/> (The question asked from me had maximums in place of minimums).

In the second technical round, I was asked –

- Several SQL queries which required knowledge of joins and, group by and having statements of SQL.
- Two DSA questions –
 - First one was a standard DP problem of leetcode - <https://leetcode.com/problems/maximum-earnings-from-taxi/>
 - Second question was based on binary search - <https://leetcode.com/discuss/interview-question/534051/d-e-shaw-onsite-search-in-shuffled-sorted-array>

My HR round was more of an informal talk rather than an interview round. They asked me about how the whole recruitment process was, the online test and the interviews. Apart from that we just talked about college life and past experiences like JEE/BITSAT preparation etc.



Sources of Preparation:

- CodeForces/CodeChef/LeetCode for DSA preparation
- InterviewBit and class slides for DBS and OOPS preparation

Relevant Courses and Certification:

DSA, DBS and OOPS

Suggestions / Other Information :

- Be good with resume preparation
- Be logical while answering and don't lie about anything
- Have a good practice of DSA, DBS and OOPs as they ask fundamental and sometimes advanced questions about them.
- Be confident in yourself.



Sector: IT

Name: Rakshay Goyal (2019B3A30490P)

Company: D.E. Shaw

Company description (2-3 lines):

D. E. Shaw & Co., L.P. is a multinational investment management firm founded in 1988 by David E. Shaw and based in New York City. The company is known for developing complicated mathematical models and sophisticated computer programs to exploit anomalies in the financial market.

Job Profile: Technical Developer Intern

Job Description: The technology teams work on various projects ranging from the firm's diversified strategies, trading systems, portfolio management and visualization platforms, quantitative analysis tools, real-time financial Datafeed infrastructure, high-performance low-latency middleware systems, or workflow tools to making talent functions more efficient and effective.

Location of Job: Bangalore / Hyderabad

No. of offers made: 3



Selection Process

Branches open to: CSE/EEE/ENI

CGPA Criteria: 7+ for CSE, 8+ for EEE/ENI

Recruitment Procedure:

Online Coding test > Technical Interview rounds > HR Interview

- **Online Coding test:** The test was conducted on Hackerrank. It consisted of 3 DSA questions only, of medium-hard Leetcode difficulty. The questions were more or less standard, on topics like sliding windows, DP, Dijkstra, DFS, etc. It was not allowed to access other questions in the time allotted for one question, you could only move forward after submitting the current one. A partial score was awarded based on the number of test cases passed. 22 candidates were shortlisted in this round.
- **Technical Interviews:** There were 2 rounds, both conducted offline in the PU Office.
 - In the first round, the focus was on CS fundamentals and core language knowledge. As an EEE student, I was asked what CS courses I was familiar with. I mentioned DBMS and OOPs, however, added that I haven't studied them in depth. They asked theoretical questions on Normalization, Join operations, and asked to write an SQL query. Further several questions were asked on C++, including explanations and use of header files, #define, namespace, compilation process, etc. Then a DSA question was asked based on probabilities, I had to code this on their mac. Ample hints were provided whenever I felt stuck. I also gave a brief introduction, in which I included things about my projects and internship. They seemed to know it already so I moved quickly.
 - In the second round, the focus was completely on DSA. The interview started off with a chill conversation about favorite recent technical innovations etc. There were 2 interviewers in this round. They proceeded to ask in-depth questions about data structures, particularly about maps. Differences between hashmaps and ordered maps, their implementation, AVL trees, different hashing techniques, how to avoid collisions, etc. These are a must-prepare, and he asked in further depth till I had nothing more to add. Then 2 leetcode-hard DSA questions were asked.
 - The first one was to create a spellchecker, somewhat like <https://leetcode.com/problems/edit-distance/> however, you had to map the input to the nearest neighboring spelling from the entire English dictionary instead of a fixed end word. I told the approach and kept optimizing it for whatever problems he pointed out. They made me write pseudo-code snippets here and there but never the full code. It was mostly verbal communication.
 - The second one was to create a browser history cache, somewhat like <https://leetcode.com/problems/lru-cache/> however, you had to search for word-tokens



in the stored searches. Also instead of storing the last 5 entries, you had to store entries of the last 5 minutes. So the container size was variable and time-based as well as word-based access was needed. Again I told the approach and kept optimizing it for whatever problems they pointed out. Again they didn't bother with code-writing and mostly kept to the verbal discussion and diagrams on paper.

- One of the interviewers was very involved and kept giving input, the other one took notes. To the best of my knowledge, 3 candidates were shortlisted from this round.
- H.R. round: This was a very light conversation round, and to my understanding, only I went through this round being a EEE student. The other 2 CSE students did not have this round. He mostly asked me about how I gained interest in IT and what my long-term goals were. He asked several questions about the company, my non-academic interests, etc. It barely lasted 8-10 minutes.



Sector: IT

Name: Ritik Upmanyu (2019B3A70517P)

Company: D.E. Shaw India

Company description (2-3 lines): The D. E. Shaw group (DESCO) is a global investment and technology development firm with more than \$60 billion in investment capital as of March 1, 2022, and offices in North America, Europe, and Asia.

Job Profile: Technology Developer Intern (CS)

Job Description:

The technology teams work on a variety of projects ranging from the firm's diversified strategies, trading systems, portfolio management and visualization platforms, quantitative analysis tools, real time financial data feed infrastructure, high performance low latency middleware systems, or workflow tools to make talent functions more efficient and effective. Successful candidates have traditionally been the top students in their programs and have extensive software development knowledge.

Skill Set:

- Their programming skills in C/C++/Java/Python should be proficient
- They should have practical understanding of CS concepts in the following areas:
 - Data Structures and Algorithms
 - Operating Systems
 - Computer Networks
 - Database Management Systems
 - Problem-solving and logical reasoning abilities are important for this role



Location of Job: Bangalore/Hyderabad

Exit options: Other hedge funds, Financial companies, Product Based Companies, MS

No. of offers made: 3

Selection Process

Branches open to: CS/EEE/ENI single as well as dual

CGPA Criteria: CS 7+, EEE/ENI 8+

Recruitment Procedure:

Online Test based on DSA:

Test had 3 questions, 1 easy-medium and 2 medium-hard, Test wasn't easy, I was barely able to solve all the questions till the last minute.

Based on the Online test 21 students were shortlisted 2 days after the test, then there were Interviews in Offline Mode, the number of rounds varied from 2-3.

- In my First round I was asked about the projects and internships I had done, as I had worked with reactjs and nodejs, they asked some questions regarding that in depth.
- Then they asked about which subject I would say is my strongest as I had mentioned DBS, DSA and Financial Engineering in the employment form (they didn't ask anything about Financial Engineering), I answered DBS then they asked a sql query with joins and nesting, some questions in indexing, then 2 DSA questions on Recursion and Probability.
- In the second round they asked which field excites me the most, they asked some OOP questions, and 2 more DSA questions on DP and text justification.



Sources of Preparation: InterviewBit, Leetcode, Lecture Slides for OOP and DBMS, Coding Ninjas and CodeWithHarry for C++ OOP

Relevant Courses and Certification:

Just CS CDCs like OOP, DSA and DBS

Suggestions / Other Information :

- You should have at least 3-4 minutes material prepared for every line on your Resume
- Confidence is the key, quite literally. If you don't know something confidently say that you don't know this.
- Solve with some peers. They help you stay accountable.



Sector: IT

Name: Tanveer Singh (2020A7PS0084P)

Company: Google

Job Profile: Software Engineer Intern

Location of Job: Bengaluru

Selection Process

CGPA Criteria: 7+ CGPA

Recruitment Procedure:

Stage 1 - Online Test :

A 4-hour window was provided, during which the candidate could login and start the test for 1-hour duration. There were 2 competitive coding based questions to be solved. Questions were of moderate difficulty (Around Div2C-Div2D level on CodeForces, or Easy to Easy-Medium on CodeChef).

Stage 2 - Interviews:

There were two rounds of interviews. Both rounds are completely technical, focusing only on Data Structures & Algorithms. Both rounds are eliminative in nature, and last exactly 45 minutes. My first round was held from 9:15 AM to 10:00 AM, and the result came out at 10:20 AM. The second round was held from 10:30 AM to 11:15 AM.

Sources of Preparation:

- Competitive Programming from Codeforces
- Past year Google questions from Leetcode

Suggestions / Other Information :

Do competitive programming from an early stage and focus on getting a high CGPA.



Sector: IT

Name: Khushi Shah (2020A7PS1687P)

Company: Google

Company description (2-3 lines):

Google, based in the USA, is a company that focuses on search engine technology, cloud computing, artificial intelligence, among many other fields. They are known for their employee-friendly and unique workplace, wherein creativity and growth are given great importance.

Job Profile: Software Engineer (Intern)

Job Description:

Will be oriented around Website Development or Software Engineering.

Location of Job: Bengaluru

Selection Process

Branches open to: Circuitual Branches

CGPA Criteria: 7 or higher

Recruitment Procedure: There are two main sections of the recruitment process: (1) the coding round, and (2) the interviews. In the coding round, questions related to DSA are asked, which you must solve with a reasonably good time and space complexity. Multiple languages are permitted, C++ and Java being two of them. After the coding round, some selected students are shortlisted for the interviews. For Google, the recruiters held an online meeting wherein they shared advice for preparing for the interview. They conducted two rounds, each having one main question and an accompanying follow-up question. The interviewers were approachable and encouraging, and they helped me along while I was explaining my thinking process.



Sources of Preparation: Mock interviews by multiple seniors and batchmates as well as Striver's SDE Sheet for DSA preparation

Relevant Courses and Certification:

No course or certification in particular. BITS Pilani's DSA course gave me some background before beginning with Striver's Sheet.

Suggestions / Other Information :

Consistency is key to building your coding skills, and having an accountability partner is greatly helpful



Sector: IT

Name: Nachiket Kotalwar (2020A7PS0024P)

Company: Google

Company description (2-3 lines): Google LLC (Google), a subsidiary of Alphabet Inc, is a provider of search and advertising services on the internet. The company focuses on business areas such as advertising, search, platforms and operating systems, and enterprise and hardware products.

Job Profile: SWE Intern

Job Description: 10-12 week paid internship that offers personal and professional development, and community-building. The internship involves working on complex computer science solutions, and to develop scalable, distributed software systems, and also to collaborate on multitudes of smaller projects that have universal appeal.

Location of Job: Bangalore/Hyderabad

Selection Process

Branches open to: CS, EEE, ENI

CGPA Criteria: 7

Recruitment Procedure: Online Coding Assessment Round, followed by 2 Video Interviews. Coding round is of 60 minutes and consists of 2 DSA questions. Difficulty level is on the harder side. Both interviews involve only DSA questions. The approach to the question has to be explained and then the solution has to be coded in a document. Clear and fluent communication with the interviewer is very important.

Sources of Preparation: Prepare all basic DSA concepts and practice from websites like Leetcode/Interviewbit.

Relevant Courses and Certification: DSA, OOP, DBS, CP

Suggestions / Other Information: Resume needs to be exceptional to get shortlisted including a high CGPA.



Sector: IT

Name: Anushka Jain (2019B1A70904P)

Company: Google Inc.

Job Profile: Software Engineering Intern

Location of Job: Bengaluru

Selection Process

Branches open: CS/EEE/ENI (single and dual degree)

CGPA Criteria: 7.0+

Recruitment Procedure: The process consists of 3 rounds - 1 coding, 2 technical interview rounds

- Coding round- Consists of 2 questions with a duration of 1 hour. Questions were based on DSA, Leetcode hard level. The main focus was on DP and graphs.
- Interview (Round 1) - It was of 45 minutes. Started with an introduction followed by 1 DP question (medium level). Further, I was asked to optimise it once the original code was written. In optimisation, they introduced further constraints. Refer to the suggestions below for further details.
- Interview (Round 2) - It was 45 mins long. It started with an introduction too followed by a graph question based on the topological sort and BFS. They further introduced more constraints to optimize the code. Refer to the suggestions below for further details.

The interviewers were very polite and helpful. They were leading the applicants towards the right answers by giving hints. Don't get panicked in case you are unable to give the answer straight away. Understand their hints calmly and it will lead you in the right direction.

No questions related to resume, work experience, projects, OOPS, DBMS were asked. Their only focus was DSA.

Sources of Preparation: Focus on fundamentals of CS CDC like DSA, OOPS, DBMS. Other relevant sources would be through competitive programming platforms (Leetcode and Interviewbit)

Relevant Courses and Certification: Data Structures and Algorithms, OOPS, DBMS

Suggestions / Other Information:

- Explain logic before coding and discuss space-time complexity before implementing.



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- Throw random thoughts to the interviewer so that he might guide you to the right direction.
- Think out loud ***** MOST IMPORTANT
- Discuss more time and space complexity before coding. Be more clear with the explanation of the space and time complexity of your previous and optimized approach.
- Proper variable names and functions. If you feel you have less time, then just move ahead with short variable names but mention that due to time constraint, I'm using this variable name but at the production level, I would have used a more descriptive name.
- Ask clarification questions (integer or decimals, negative integers also?) Ask if you should do input checking or you can assume for now that input is correct, Clarification on empty array etc.
- If have time in the end do a dry run on code. Explain boundary cases.
- The interview is strictly for 45 minutes so make sure to show your skills in this time duration only. It is never extended beyond 45 minutes.



Sector: IT

Name: Samyak Jain (2020A7PS0089P)

Company: Jaguar Land Rover Technology and Business Services India

Company description (2-3 lines):

Jaguar Land Rover, a luxury car company owned by TATA, is at the forefront of the software revolution in the automotive industry. By integrating cutting-edge technologies and software solutions, they are redefining the driving experience. Jaguar Land Rover is making significant investments in the development of electric vehicles and software solutions for their cars.

Job Profile: Software Engineer

Job Description:

Software Role:

- Collaborate on a cross-discipline team to design, develop, code, test, integrate and debug software in an Agile fashion
- Learn new skills and apply them on live programs
- Keep current on emerging new technologies to advance architecture/technologies to support current and forward model vehicle programs
- Design and execute test cases for unit, function, subsystem testing and acceptance testing
- Benchmark and optimize the performance of new and existing software

Location of Job: Bangalore, India

Selection Process

Branches open to: CS, EE, ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online Test:

The test has 2 sections, the first one was reasoning and the second one was a coding test. The Reasoning test had questions of three difficulty levels with increasing scores for each type of question. If you answer one question correctly, the next question will be of higher difficulty and higher score, if you answer wrong the next question will be of lower difficulty and lower score, although you cannot see if you have answered the question correctly or not and you cannot go back to previously answered question.

The coding part had two questions of the same score and you can switch between them in between. Overall, the test was of moderate difficulty, however it was important to maintain speed in the reasoning part as it was time limited.



Interview:

Only 1 round of interview was conducted. A coding question was asked along with some design pattern questions. Some questions related to projects written on my resume were asked.

Sources of Preparation: GeeksForGeeks, Interviewbit blogs, Leetcode questions.

Relevant Courses and Certification: DSA, OOPS, DBMS

Suggestions / Other Information: Be prepared to answer questions on resume, give a demo interview, along with Leetcode/IB, revise OOPS and DBMS.



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Sector: IT

Name: Aarav Gulati (2020A8PS1823P)

Company: LTIMindTree

Company description: LTI is a global technology consulting and digital solutions company. Helping clients succeed by accelerating their digital transformation journeys

Job Profile: SDE

Job Description: You will participate in solution ideation and design sessions along with technical and functional experts. Awareness on any Cloud or Data on Cloud - Development Skills in areas of Core Java, JavaScript, AngularJS, Bootstrap, NLP using Python, Pandas, Scikit and Numpy - Web Application Development + DB Management. Candidates having knowledge on developing Chatbots, AI/ML, IoT, Blockchain Solutions will be preferred.

Location of Job: Bangalore

Selection Process

Branches open to: All BE and dual degree

CGPA Criteria: 7 and above

Recruitment Procedure:

- Resume Shortlisting
- Coding round - The coding round was online. Basic DSA (LeetCode easy/medium) questions, aptitude questions and some English questions (paragraph related, vocabulary etc.) were asked
- Interview round - In the interview round, the interviewer asked me about my projects, why I switched to an IT role, some DSA related questions and what kind of roles I am open to.

Sources of Preparation: Striver DSA playlist and InterviewBit.

Suggestions / Other Information: Ask relevant questions at the end of the interview



Sector: IT

Name: Shashank Shreedhar Bhatt (2020A7PS0078P)

Company: LTIMindtree

Company description: LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world.

Job Profile: Product R&D Intern

Job Description: Undertake research to support team leader; implementing end-to-end pipeline for various data analytic research projects; an intern would either be tasked with developing a UI for some existing project or perform research and try to implement their findings for a practical setting (to try and make improvements to new potential product pipelines) under the guidance of a team leader.

Location of Job: Bengaluru

Selection Process

Branches open to: All

CGPA Criteria: None specified

Recruitment Procedure: Coding Round + 1 Round of Interview

Sources of Preparation: Leetcode Medium Problem



Sector: IT

Name: Snehal Juneja (2019B2A70994P)

Company: Microsoft

Company description (2-3 lines):

Microsoft enables digital transformation in the era of an intelligent cloud and an intelligent edge. Its mission is to empower every person and every organization on the planet to achieve more. Microsoft set up its India operations in 1990. Microsoft in India offers its global cloud services from local data centers to accelerate digital transformation across Indian start-ups, businesses, and government agencies.

Job Profile: SWE Intern

Job Description:

SWE Role:

- Applies engineering principles to solve complex problems through sound and creative engineering.
- Quickly learns new engineering methods and incorporates them into his or her work processes.
- Seeks feedback and applies internal or industry best practices to improve his or her technical solutions.
- Demonstrates skill in time management and completing software projects in a cooperative team environment.

Location of Job: Hyderabad/ Bengaluru/ Noida

Exit options: MBA, MS

No. of offers made: 4 (through ENGAGE mentorship program)



Selection Process

Branches open to: All BE and dual degree branches

CGPA Criteria: 7 and above

Recruitment Procedure: (got an offer through ENGAGE mentorship program)

Resume shortlisting, 2 online tests, project submission, interview rounds (1 or 2 depending on the quality of project submitted)

- **Online Test - 1:** It had multiple choice questions on the fundamentals of Data Structures and Algorithms in this test. 30 minutes to answer 10 questions. The test was fairly easy and elimination was done on the basis of submission time since most of the people could complete the test.
- **Online Test -2:** It had algorithmic puzzles - questions where you may be asked to provide a solution to an algorithmic puzzle in plain text, and/or write or analyze short blocks of programming language independent pseudo-code. 30 minutes to answer 2 questions. This round was eliminatory in nature and submission time mattered here as well.
- **Project:** 3 domains were given (the domains are different every year for eg- data analysis, algorithms, face detection, etc) and we had to choose one domain and make a project solving a particular problem in that domain. A prototype of our solution had to be deployed and presented to the jury through video demonstration. There were several parameters for evaluation like execution speed, error handling, etc. Based on it some people were given direct internship offers while some got a call for an interview.
- **Interview:** The number of rounds varies from 1-2.
 - **First round:** It is purely a DSA round. 1 or 2 problems are asked. Based on the performance the candidate is called for the next round.
 - **AA round:** It is a DSA + HR round with a senior manager at Microsoft. You are thoroughly grilled on your resume and your projects (both engage projects and other projects). Expect standard behavioral questions along with a DSA problem. They might ask OOP and DBMS as well.



Sources of Preparation: Be thorough with DSA fundamentals (there are a lot of online platforms like InterviewBit, Hackerrank, and LeetCode for this), OOP, and DBMS fundamentals. Be thorough with your resume and some standard HR questions.

Relevant Courses and Certification: DSA, OOP, and DBMS. Preparing these subjects could prove helpful.

Suggestions / Other Information :

- Talk to the interviewer throughout. Tell them your approach so that they can nudge you in the right direction if required.
- Don't fake anything in behavioral questions. Answer honestly.
- Ask some questions to the interviewer at the end of the interview.



Sector: IT

Name: Akshit Chauhan (2020A3PS1030P)

Company: Microsoft

Company description (2-3 lines):

Microsoft Corporation is an American multinational technology corporation which produces computer software, consumer electronics, personal computers, and related services headquartered at the Microsoft Redmond campus located in Redmond, Washington, United States.

Job Profile: Software Engineering Intern

Job Description:

- Planning:
 - o Understanding customer requirements.
 - o Assisting with project planning, scoping, prioritization.
 - o Providing estimates; Identifying task ownership.
- Design:
 - o Creating simple, flexible and comprehensive designs.
 - o Providing and soliciting design feedback.
- Implementation:
 - o Writing quality code at source.
 - o Authoring validation tests and providing timely issue resolutions.

Location of Job: Hyderabad/ Bangalore/ Noida

Exit options: PPO or trying for other IT companies



Selection Process

Branches open to: All B.E branches

CGPA Criteria: 7+

Recruitment Procedure:

- Firstly there was a resume shortlisting round.
- The first coding round was online and MCQ type. The questions were from the basics of DSA.
- In the second coding round one long coding problem was asked that was to be answered in 30 minutes.
- The selected students were divided into groups of 10-12 students and were allotted a mentor. The mentor held weekly group meetings. The mentor feedback had a direct impact on the evaluation process. Weekly assessments were held for about a month. Each student was asked to make one out of three projects which were based on Face recognition, data analysis and algorithms for web streaming apps respectively. We were supposed to upload the code and a video demo of our project.
- Out of the students that were selected in the previous round very few got direct offers whereas the rest proceeded to the interview rounds. The number of interviews varied from 1-2 depending upon the performance in the previous rounds.
- I had one interview. I was asked in detail about the algorithms and tech stacks that I used in the project made during the program. Also I was asked questions based on DP and Recursion.

Sources of Preparation:

- GeeksForGeeks
- LeetCode
- Interviewbit



Relevant Courses and Certification: DSA, OOP

Suggestions / Other Information :

DSA is of utmost importance. Solve as many questions as you can from LeetCode and GeeksForGeeks. DSA takes time so start preparing early. OOP and DBMS can be done in the ending phase as well, so make sure that your initial focus is only on solving DSA problems.



Sector: IT

Name: Sanyam Sanjaykumar Mehta(2020A3PS0443P)

Company: Microsoft

Company description (2-3 lines):

Microsoft is the largest vendor of computer software in the world. It is also a leading provider of cloud computing services, video games, computer and gaming hardware, search and many other online services. Microsoft's corporate headquarters is located in Redmond, Wash..., and it has offices in more than 60 countries

Job Profile: SWE Intern

Job Description:

- Planning:
 - o Understanding customer requirements.
 - o Assisting with project planning, scoping, prioritization.
 - o Providing estimates and Identifying task ownership.
- Design:
 - o Creating simple, flexible and comprehensive designs.
 - o Providing and soliciting design feedback.

Location of Job: Bangalore/Hyderabad/Noida

Exit options: PPO/Joining other IT firms in the future



Selection Process

Branches open to: All B.E.

CGPA Criteria: 7+

Recruitment Procedure:

It was a 4 step process -

1. Round 1 – Online Test 1 consisted of 10 MCQ questions to be solved in 30 minutes. There were multiple question sets and scores were normalized accordingly. Most of the Questions were from Stack, Queue, Trees, linked lists, Sorting, Binary Search, Priority Queues, finding outputs, time complexity, etc .
2. Round 2 – 1 long coding Question needs to be answered in 30 minutes. We were asked to explain the solution in detail.
3. After Selection Test 2, on the basis of resume and scores of 2 tests, selected students were informed and were divided into groups of students. Each group of students was assigned a mentor who himself/herself is a software engineer at Microsoft. During these 4-5 weeks, multiple sessions were organised which included AMAs and Tutorials. In addition to this, we had weekly sessions with our mentor. Sometimes it was a group session and sometimes one on one. Also, we had weekly assessments. We had to choose a project topic from 3 options and build on it throughout the program. Finally, we had to submit a 4 minute demo video and source code of the project for evaluation.
4. On the basis of your project and your Mentor's feedback, If you are selected for further rounds then you will either get direct internship offer or 1 final interview round or 2 interview rounds. My Interview was majorly focused on Projects where i was asked questions on both Project made during the program as well as personal projects - their techstacks, ideation, feasibility, etc. Then, DSA questions were asked where I was asked questions on Graphs and Recursion, and at the end some HR questions were asked. Codility Platform of Microsoft was used as IDE.



Sources of Preparation:

- GeeksForGeeks
- InterviewBit
- LeetCode

Relevant Courses and Certification: OOP and DSA

Suggestions / Other Information :

The main target of preparation should be to get a good hold over data structures and algorithms. Basic knowledge of the principles of OOP is fine. Try to code more and more questions on any platform you like. This increases your speed and compatibility with library functions. For the technical interview part, I'll suggest keeping your resume precise and prepare all the points well in advance. Be confident while replying and keep discussing your idea/approach of the problem with the interviewer. Make a note of important questions and algorithms for their quick revision. Be attentive in company orientations and read about the company a bit before going to the interview. Prepare a few questions from your side to ask the interviewer in the end, if he asks for. Interviewer looks more at your way of approaching the question and thinking ability rather than code syntax.



Sector: IT

Name: Hrithik Raj Gupta (2019B2A70995P)

Company: Microsoft India

Company description (2-3 lines): Microsoft India (R&D) Private Limited, a subsidiary of Microsoft Corporation, set up Microsoft India Development Center (MSIDC) at Hyderabad in 1998. Over the course of the past 22+ plus years, we have expanded to become one of Microsoft Corporation's largest R&D centers outside its headquarters in Redmond. MSIDC is a part of Microsoft Corporation's strategy of global shared development, where teams across geographies collaborate to build great software and services.

Job Profile: SWE Intern

Job Description:

Responsibilities:

Planning:

- o Understanding customer requirements.
- o Assisting with project planning, scoping, prioritization.
- o Providing estimates; Identifying task ownership.

• Design:

- o Creating simple, flexible and comprehensive designs.
- o Providing and soliciting design feedback.

• Implementation:

- o Writing quality code at source.
- o Authoring validation tests; Providing timely issue resolutions

Location of Job: Hyderabad/Bangalore/Noida



Selection Process

Branches open to: All branches

CGPA Criteria: >6

Recruitment Procedure: MCQ Test -> Written Test -> Project Round -> Interview

Sources of Preparation: Leetcode and GeeksforGeeks



Sector: IT

Name: Labeeb Ahsan (2020A7PS0045P)

Company: Rubrik

Company description (2-3 lines):

Rubrik provides a secure software platform to mitigate data loss with granular recovery and seamless management across multiple cloud environments. The company was founded in January 2014 by Bipul Sinha, Arvind Jain, Soham Mazumdar, and Arvind Nithrakashyap.

Job Profile: Software Engineer Intern

Job Description:

10-12 week paid internship that offers personal and professional development and community-building. The internship involves working on complex computer science solutions, developing scalable, distributed software systems, and collaborating on multitudes of smaller projects with universal appeal.

Location of Job: United States Of America

Selection Process

Branches open to: Computer Science

CGPA Criteria: 8+

Recruitment Procedure:

Coding Round, Interviews

Coding Round- Consisted of 4 Questions to be solved within 1.5 hours. Mostly focused on graph and dynamic programming problems.

Interviews- There were 2 Technical interviews(1 hour) and an HR Round(30 minutes). Technical Interviews consisted of 1 DSA question each with 3 to 4 follow-up questions. My questions were based on Graph and Dynamic Programming. HR Round consisted of a general discussion about the company itself and my resume.

Sources of Preparation:

General DSA problems on LeetCode and InterviewBit. Specific Questions from the practice section of Neetcode.io. Puzzles from GeekForGeeks. Being thorough with the resume and relevant projects.

Relevant Courses and Certification: Data Structures And Algorithms

Suggestions / Other Information:



Clarifying the given Questions before thinking of a solution for it. Being calm is extremely important. Having good in-depth knowledge of a particular programming language and fast typing speed.



Sector: IT

Name: Deep Pandya (2020A7PS0148P)

Company: Salesforce

Company description (2-3 lines): Salesforce is a global cloud-based software company that provides a wide range of customer relationship management (CRM) solutions and enterprise applications. It offers businesses a platform for managing and automating sales, marketing, service, and other customer-related processes, enabling organisations to connect with their customers and streamline their operations.

Job Profile: Software Engineering Intern

Job Description: Load Based Slot Distribution for Redis Cluster Scaling

Location of Job: Hyderabad

Selection Process

Branches open to: All

CGPA Criteria: 7+

Recruitment Procedure:

Online Coding Test: 3 questions in 100 minutes. The questions were moderate level. 1 easy, 2nd moderate and 3rd moderate on graph. After the coding test, 16 candidates are shortlisted for further interviews.

The interview process:

Two Technical Interviews: The first technical interview began with my PS-1 experience. Then, the interview was DSA-based. One question was to find all balanced parentheses of length 'n' for a given even integer 'n'. The second technical interview was also DSA-based, with a straightforward coding problem to solve. The emphasis is on effective communication of the solution and the thought process behind it.

HR Interview: I was asked about my hobbies, interests, and my understanding of Salesforce's core values.

Finally, the internship was offered to **4 candidates**.

Sources of Preparation: Interviewbit, Codeforces

Relevant Courses and Certification: No particular course

Suggestions / Other Information:

- Stay calm during interviews and focus on effectively communicating your solutions.



- Be prepared to discuss Salesforce's core values during the HR interview.

Name: Chirag Gupta (2019B3A70555P)

Company: Samsung Research Institute, Bangalore

Company description (2-3 lines):

Samsung Research Institute is the software research and development centre of Samsung. It focuses on development of cutting edge technologies and their applications to transform the customer experience across the globe.

Job Profile: Software Research

Job Description:

Working on the latest developing technologies and finding their applications to improve customer experience and expand Samsung's current business.

Location of Job:

Base Location - Remote (Last 1 week in Bangalore)

No. of offers made: 8

Selection Process

Branches open to:

All BE and dual degree

CGPA Criteria: 7 and above

Recruitment Procedure:

Online Test, Interview

The Online Test had 2 questions based on data structures and algorithms. Both the questions were of easy to medium level.

Interview was conducted online through personal computers. The interviewer asked questions focused on knowledge and skills related to prior projects and internships. There was only one round of interviews.



Sources of Preparation:

Hackerrank, Leetcode, Interviewbit. Proper knowledge of skills used in projects required

Relevant Courses and Certification:

Object Oriented Programming

Suggestions / Other Information:

- Be confident and well versed with the resume. You should be able to answer questions related to your projects and internships.



Sector: IT

Name: Kushagra Sahni (2020A7PS0974P)

Company: Societe Generale

Company description (2-3 lines): Third largest bank in France and one of the top banks in Europe and the world. Over 150,000 employees worldwide. In India - Bangalore and Chennai locations are part of SG-GSC and provide support services to the bank.

Job Profile: Software Engineer

Job Description:

- Web Development(Backend)
- API Creation
- Postman API

Location of Job: Bangalore/Chennai

Offers Made: 31

Selection Process

Branches open to: CS/EEE/ENI

CGPA Criteria: 7+

Recruitment Procedure: Online Test followed by 3 rounds of interview(2 Technical + 1 HR)

Sources of Preparation: Standard DSA and OOPS. Be prepared and thorough with your resume.



Sector: IT

Name: Aditya Rao (2019B3A30576P)

Company: Société Générale

Company description (2-3 lines): Société Générale is a 159 year old French multinational financial services company. It operates in retail banking, corporate and investment banking, and financial services.

Job Profile: Software Engineer Intern

Job Description: Software Engineer Intern

Location of Job: Bangalore, India

Selection Process

Branches open to: CS, EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure: Online Test, Interviews (3 Rounds)

Online Test:

- 70 minutes test held online with 4 sections: Aptitude (15 questions), English (10 questions), Technical (10 questions), Coding (2 questions)
- Each section was timed.
- Aptitude and English sections were basic and did not need much preparation beforehand. They just needed to be done with speed and accuracy. Questions were long and the best way was to read and understand what was asked first.
- Technical questions had MCQs based on DSA, OOP, Output Prediction etc which were on the easy-medium side.
- Coding section had two problems in 35 minutes. Both were on the easy-medium side and could be done if you have done even some Leetcode problems. They were based on 2-D matrix manipulation and number theory.

Interviews (3 Rounds):

- First round was basic introduction and resume based.
 - The interviewer asked many questions regarding why you used certain tech stacks and their advantages over others.
 - Know your resume well from experience to projects
- Second round was a DSA round with behavioural questions.



- The interviewer began by asking a bit about projects and moved onto the DSA question on the online compiler.
- Had a few problems on the Brave browser at first since the cookies are disabled by default. Always prefer doing interviews on Chrome.
- DSA Question was based on Caesar encoding with few modifications - Was able to explain it properly and code it in one go. They expect you to write working code and test it on the compiler there itself so make a habit of writing working code on the first go.
- He had also made me solve an easy string frequency-based question on the local compiler first.
- Then asked basic behavioural questions like biggest difficulty faced while previous internship (PS1) and other work-related questions.

HR Round

- Asked questions about the company and why I wanted to join it. Research about the company through their website, their presentations, and news to have something to say. This is important and neglected by many since I had messed up an earlier interview because I had not researched more on the company.
- Asked standard HR questions like 5 strengths, 5 weaknesses etc. For such questions, be genuine and try to give examples.

Sources of Preparation: Leetcode, Geeks for Geeks, Codeforces, Codechef. Used Striver's Sheet to have a structured way of solving Leetcode problems. Codeforces and Codechef, if you have a lot of time, will be useful for coding tests which are tough.

Suggestions / Other Information: Try to cover topics like DP and Graphs which are asked in almost every coding round and interview before time since these require a while to get used to. Try to know the basics of OOP, DBMS from online resources (being from non-CS) to be able to handle MCQs in online tests. Have proper sleep before the interviews because you can have multiple schedules in a day and they can be draining.



Sector: IT

Name: Anish Subhash Ghule (2020A7PS0129P)

Company: Sprinklr

Company description (2-3 lines):

Sprinklr is a Software-as-a-Service (SaaS) customer experience management company, based in New York. It is a B2B (business to business) organization, and the only organization offering the unified-CXM (Customer Experience) service globally. Its prime customers include Microsoft, Netflix, Cisco, Samsung, Uber, Amazon, Nike, just to name a few.

Job Profile: SDE-1

Job Description:

Software Development Engineer

- Design, develop and execute software solutions to address business issues
- Collaborate with peer organizations, quality assurance, and end users to produce cutting-edge software solutions.
- Interpret business requirements to articulate the business needs to be addressed
- Troubleshoot code level problems quickly and efficiently
- Build independent web-based tools, microservices, and ML/AI solutions.

Location of Job: Gurgaon

No. of offers made: 16 (Domestic, Gurgaon Office)

Selection Process

Branches open to: A3/A8/A7

CGPA Criteria: > 7 CGPA

Recruitment Procedure:

Coding Round, Technical Round – 1, Technical Round – 2, Culture and Talent Round



>> **Coding Round:**

The Coding Round had 3 questions and was conducted on HackerRank (proctored), for a duration of 90 minutes. The questions were of medium-hard difficulty (in comparison to LeetCode). Around 45 students were shortlisted from the coding round.

>> **Technical Round-1:**

The first technical interview round generally involves 2-3 questions of medium-hard difficulty, testing one's knowledge about Algorithms and Data Structures. Some of the questions could revolve around algorithms - standard LeetCode problems, and if practice is sufficient, one can easily approach the problem. Optimization of time and/or space complexity is generally a follow-up question. Other types of questions involve understanding of Data Structures like Trees (n-ary tree, BST), Graphs. Making sure that the interviewer is able to understand your approach and clarity of thought is of paramount importance.

>> **Technical Round-2:**

Next round typically involves 1-2 questions, testing one's problem-solving abilities, communication skills, and thorough knowledge about Advanced Data Structures. Seeking clarity about the problem statement before talking about your approach is necessary. Other than questions around DS (like Trie), algorithmic questions could also be asked. Clarity of thought and expression, along with the correct approach to the problem is helpful.

>> **Culture and Talent:**

This is the final round with the HR. Natural questions about oneself as an individual, one's motivation to join the company, what prior research about the company has one done, and questions alike, are asked.



BITS Pilani

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Sector: IT

Name: Shrey Bansal (2019B3A70592P)

Company: Sprinklr

Company description (2-3 lines):

Sprinklr is the world's first Modern Customer Experience Management (CXM) platform that help brands make their customers happier. With Sprinklr, you can connect with customers on the modern channels they choose and coordinate your interactions across marketing, advertising, research, care and engagement teams to deliver the best customer experience your brand has to offer.

Job Profile: Software Engineer Intern

Job Description:

- Design, develop, test, deploy, maintain and improve the software.
- Manage individual projects priorities, deadlines, and deliverables with your technical expertise.

Location of Job: Gurgaon

No. of offers made: 16

Selection Process

Branches open to: CS, EEE , ENI

CGPA Criteria: 7+

Recruitment Procedure:

- **Online Test** - Had 3 questions based upon Data Structures and Algorithms. I would say that one question was easy, one medium and one hard. The test was 90 minutes long and was pretty doable given the time limit
- **Interview 1** - I was asked to give my introduction and a brief about the projects I have worked upon. After that I was asked to find an element in a sorted array which has been rotated K times,





where K is unknown. After writing the code for the problem, I was asked some modifications on the same such as how can the question be done without finding the partition and how would the code change if there are duplicate elements present in the array

- **Interview 2** - The first question that interviewer asked me was to perform inorder traversal, followed by performing the same iteratively using an explicit stack and without using an explicit stack (Morris Traversal). He also asked me a question about string matching where for e.g, s1 is a string and s2 is a pattern. This pattern can contain characters as well as '?' and '*' symbols. '?' represents a single character and '*' represents a set of characters or even an empty string. I had to tell whether the pattern can represent the given string or not
- After this question I was asked to design a Hotel Management System, as I had listed Hospital Management System. The interviewer gave some constraints and functionalities, that he wanted me to implement. He then asked me how I would implement a cache given some constraints.
- **Interview 3** - This was the HR round. The interviewer asked me to introduce myself, some of my interests, what I liked doing in my free time etc. Then I was asked to explain one of my projects assuming that I was talking to a 5 year old. The next question was scenario based where I was asked what would I do, if my teammates were not working and were acting lazy.
- The overall experience of the process was quite good , all the interviewers were very nice and were always ready to help.

Sources of Preparation:

- Leetcode
- InterviewBit
- Gfg Practice

Relevant Courses and Certification:

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems

Suggestions / Other Information :

During the interview keep on interacting with the interviewer. Explain to him each and every thought that comes to your mind when you are solving a problem. The interviewer is there to help you and more often than not, will tell you whether you are going in the right direction or not.

Be thorough with your resume preparation, mention your contributions to the projects and don't mention anything in which you don't have 100% confidence.



Sector: IT

Name: Shreyas Ketkar (2020A7PS0075P)

Company: Sprinklr

Company description :

The world's first Unified Front Office Platform for Modern Channels. They have a mission to enable every organization on the planet to make their customers happier.

Job Profile: Software Engineer Intern

Location of Job: Gurgaon

No. of offers made: 16

Selection Process

Branches open to: CS, EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure: Online Assessment, Two Technical Interviews, One HR Round

- Online Assessment : 3 DSA Questions (90 mins), CG Shortlisting
 - Q1 Array-based Medium Question
 - Q2 DP Medium Question
 - Q3 Array Medium Question

The online assessment was easier compared to other day 0 companies, due to which, students who solved all three questions and had a relatively higher CG (8.5+) were shortlisted for the interview.

- Technical Round 1:- This round began with a short introduction, then the interviewer directly jumped to asking basic questions based on Data Structures and Algorithms such as explaining some data structures in layman's terms and which data structure is better in which situation. After this, the interviewer moved on to coding questions. Two questions were asked from the array, One was from Linked List. Overall all three questions were easy.
During My Second Technical Round, My laptop battery got dead halfway through, So the interview got rescheduled.



- **Technical Round 2.1:-**The round began with a small discussion on my PS intern and Projects. Then the interviewer asked a few Questions related to the Database Management systems such related to ACID properties and Normalisation. Then a DSA question was given, which was based on Disjoint Set Union. I explained the approach then I was asked to code the solution.
- **Technical Round 2.2:-** In this Round 2 DSA Questions were asked. The first was a very easy string question, the second one was based on the Trie data structure.
- **HR Round:-**Generic HR questions based on the values of the company, my strengths, weaknesses, and hobbies. This round was more of a fun round where we just had a normal conversation.

Sources of Preparation:

- Programming Websites such as Codeforces, Codechef, Geeks for Geeks, InterviewBit/Leetcode.
- DSA- Youtube Channels such as Aditya Verma (DP), Striver (for Graphs, trees and DP)
- OOPS- Lab Sheets and class lecture Slides
- DBMS- Youtube Channels such as Knowledge Gate and GateSmashers.

Relevant Courses and Certification:

- Data Structures And Algorithms
- Database Management System
- Object Oriented Programming.

Suggestions / Other Information :

- The introduction is a very important part of the interview, use it wisely to direct the interview to topics where you are strong.
- Do not mention skills on your resume which you do not know. It is better to have fewer skills and be more proficient in them than to have more skills and not be proficient in any of them. Companies mostly look only for good problem-solving skills.
- It is Completely Fine if you don't have a fancy Project on Your Resume. But you should thoroughly prepare your project and should know each and every thing related to it, like what have you done and why have you done it
- Think aloud your approaches to all the questions, Even If the solution does not strike just speak whatever comes to your mind, the interviewer would be kind enough to provide you with hints so that you are able to build up on your solution.
- In all interview rounds, but especially in the HR round, confidence is the key. They would not judge you on what statement you make, but on how well you back your statements up with proper logical justifications.



Sector: IT

Name: Shadan Hussain (2020A7PS0134P)

Company: Sprinklr

Company description (2-3 lines): Sprinklr is an American software company based in New York City that develops a SaaS customer experience management (CXM) platform. The company's software, also called Sprinklr, combines different applications for social media marketing, social advertising, content management, collaboration, employee advocacy, customer care, social media research, and social media monitoring.

Job Profile: SDE Summer Intern

Location of Job: Gurgaon

No. of offers made: 1

Selection Process

Branches open to: CS, EEE, ENI

CGPA Criteria: 7+ CGPA

Recruitment Procedure:

First we had an online coding round. This was of 225 marks. It consisted of 3 questions, which were string based, permutation based and one was dp based.

There were 3 interview rounds for us. Two were technical rounds and the last one was HR.

First Round: The interviewer asked me to introduce myself and then asked me 3 DSA questions:

- Given an array, construct an array which stores the next greater element in the array for each element of the array.

<https://leetcode.com/problems/next-greater-element-i/>



- There are a group of people represented as vertices, and an edge between two nodes means that the two people are friends. You are supposed to divide the graph into two components such that in each component every person is a friend of every other person. Note that if 1 and 2 are friends and 2 and 3 are friends, this does not mean 1 and 3 are also friends. Also note that such a division may not always be possible, in that case you need print -1.
- Given a 2D matrix of letters, find if a given word exists in the matrix. While traversing the matrix, we are allowed to move in 4 directions-up, down, left and right from any point. After I solved this question, they asked a follow up question in which I was supposed to list the indexes in the matrix from where I was picking my letters to form the word.

First one was easy and the next two were medium. For the first two I had to explain my approach and do a dry run while for the last one I had to write the code as well as do a dry run.

Second Round: The interviewer again asked me to introduce myself and asked me two DSA questions:

- There are N members in a party who are labelled from 0 to N-1. It is known that exactly one of them is a celebrity while others are not. Each non celebrity person knows the celebrity for sure and may also know other people from the party. The celebrity does not know anyone in the party. Given a function $aKnowsb(a,b)$ where a and b are integers, the function returns in O(1) time whether a knows b or not, find the member who is the celebrity. My first approach had $O(n^2)$ time complexity, then I optimized it to O(n) time and O(n) space and finally to O(n) time and O(1) space.

- You are given a random 'arrow and dash string', which for example might look like these
__<>_ >>_<< ><<>_
The right pointing arrows move towards the right and the left pointing arrows towards the left. After each second, the arrows move one dash ahead. If two arrows moving in the same direction collide/meet at the same index, there is no problem, however, if two arrows moving in opposite directions collide at the same index, they get inverted instantly and start moving in the opposite directions after a second. You are supposed to calculate the minimum time needed for all the arrows to disappear from the given string.

Eg

>>_<<	0	
>◇<	1	(red indicates two arrows are at the same index)
<◇>	2	
<<_>>	3	
<_ _ _>	4	
_ _ _ _ _	5	

Therefore, answer is 5 seconds.

The expected answer for this question involves linear time complexity.



HR round: The interviewer was very friendly, even though he asked me quite tricky questions. The questions were as follows:

- Tell me something about yourself
- Tell me your strengths and weaknesses
- Why Sprinklr?
- What would you do if there is a disagreement between you and your teammates while working on a project? Tell me a real case where this happened with you. What did you learn from it?
- Was there any moment in your life where you went out of your way to help someone?
- What are your hobbies?
- Questions related to projects.
- A situation in which you found no help but you were still able to overcome it. Describe how you did it.



Sector: IT

Name: Shashank Agrawal (2020A7PS0073P)

Company: sprinklr.io

Company description (2-3 lines):

The world's first Unified Front Office Platform for Modern Channels. They have a mission to enable every organization on the planet to make their customers happier

Job Profile: Software Developer Intern

Location of Job: Gurgaon

No. of offers made: 16

Selection Process

Branches open to: Computer Science

CGPA Criteria: 7+

Recruitment Procedure:

Online Aptitude Test followed by 2 Technical Interviews and 1 HR Round.

Test had 3 questions.

1 was very easy(string based question), 1 easy(based on permutations) and 1 medium(dp question).

Technical Interview 1 – Interview was conducted in online mode. There were two interviewers on the call. It started with one of the interviewers introducing himself followed by a quick intro of me. After that he straight jumped into DSA questions (coding in google docs).

The first one was to sort an array of strings which has at most 3 different strings(some story around this). It is essentially the same as the standard problem of sorting an array of 0's 1's and 2's. I told him the initial brute approaches, and in the end solved it using 3 pointers (Dutch National Flag Algo.)



(<https://www.geeksforgeeks.org/sort-an-array-of-0s-1s-and-2s/>)

The second question was more interesting. I was given a path to a file/folder in linux based conventions. I have to provide the simplified path of the final folder from the root. I initially started solving it using tree data structure then later realised that it can be solved easily using stack. I told him that approach and the interviewer was really impressed by that. (I think he wasn't expecting me to tell that one :)

(<https://www.geeksforgeeks.org/simplify-directory-path-unix-like/>)

In the end he asked about my OOP project and asked me to explain OOP pillars. I was ready with my speech for that and delivered it with perfection.

Round 2: The interviewer was a very friendly person. He started the discussion directly with how my day was going, and how many interviews I have given since morning. This casual talk relieved me a lot and I was feeling like talking to a friend throughout the interview.

The first question asked was as follows: Given a binary matrix sorted row-wise, find the row having maximum number of 1's and also return that maximum count.

<https://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/>

I told him the first $O(n*m)$ approach. Then optimised it to $O(n * \log(m))$ using Binary search, and finally to $O(n+m)$ using pointer traversal. Coded the last one quickly and he moved to the next question after a couple of follow-up questions.

The second question was the famous House Robber problem. He asked me whether I had solved it before or not to which I obviously replied a NO - xd.

<https://leetcode.com/problems/house-robber-ii/>

I explained to him the intuition and coded the recursive-memorized solution. Later he asked me the second version of it (circular array) and the interview ended smoothly by me asking some questions to the interviewer.

Round 3: HR round. This was the toughest round for me. It started with me telling about my PS project. The interviewer grilled me a lot on giving random situations and asking me how I would tackle them. Eg: What you will do if your teammates aren't working? What you will do if you are stuck while working and so on. I gave answers to all questions to the best of my reasoning with confidence, though she wasn't happy with many of them. This round went on for 1.5 hrs!



Sector: IT

Name: Pranav Gupta (2020A7PS0128P)

Company: Sprinklr

Company description (2-3 lines): Sprinklr is a unified customer experience management platform. Sprinklr offers a unified SaaS platform of products made to assist businesses in tracking and interacting with clients and prospects across all digital channels, such as social networking, review sites, and messaging channels. The products include research, marketing, advertising, sales, and interaction.

Job Profile: Software Engineer Intern

Location of Job: Gurgaon

No. of offers made: 16

Selection Process

Branches open to: CS, EEE, ENI

CGPA Criteria: 7+

Recruitment Procedure:

Online Assessment, Two Online Technical Interviews, One Online HR Round

- Online Assessment 3 Coding Questions (90 mins) -The online test contains questions from the difficulty ranging from easy to medium and shortlisting included students only having CG greater than 8.5. 44 students were shortlisted for interview rounds.
- Technical Round 1 and Round 2:
 - First Round: The round started with my introduction. The interviewer then asked me to explain the projects that I have mentioned in my project. Then I was asked 2 coding questions and was asked to code it. The first question was finding the cousins of a target node in a binary tree and the other question was to remove duplicate elements from a given array. Both were easy questions and the duration of my round 1 was around 35 mins.
 - Second Round: This round again started with introduction and discussion on projects mentioned in the resume. Then the interviewer asked me a puzzle which was a standard puzzle available on geeks for geeks. Then he asked me two simple DP questions. The duration of this round was around 70 mis.



- Round 3 HR: The HR round was basic and the interviewer asked me standard questions like why I want to join Sprinklr and what I expect from the job which I will be offered. I had already prepared the answers for these questions so this round went quite smoothly. This round went up for around 30 mins. In the end I asked some basic questions to HR about what job we will be doing and about the culture of the company.

Sources of Preparation:

- Practice questions on Leetcode, GeeksForGeeks and InterviewBit.
- YouTube videos for learning various topics like DP, Graphs and Trees.
- Regular contests on codeforces and codechef.

Suggestions / Other Information :

- Introduction is important. Mention things other than what is on your resume in the introduction.
- You must know your projects inside out and why you have used that particular tech stack. Be ready to be grilled on the projects.
- Keep talking to the interviewer while you are solving a question. Tell him your approach as it might happen that the interviewer is happy with even a less optimised solution.



Sector: IT

Name: Mridul Chandak (2020A7PS0133P)

Company: Sprinklr

Company description (2-3 lines): Sprinklr is the only unified customer experience management platform (Unified-CXM). Sprinklr helps the world's biggest companies make their customers and fans happier. Sprinklr offers a unified SaaS platform of products made to assist businesses in tracking and interacting with clients and prospects across all digital channels, such as social networking, review sites, and messaging channels.

Job Profile: Software Developer Intern

Location of Job: Gurugram

No. of offers made: 16

Selection Process

Branches open to: Computer Science

CGPA Criteria: 7+

Recruitment Procedure:

Online Assessment, Two Technical Interviews, One HR Round.

- Online Assessment 3 DSA Questions (90 mins), CG Shortlisting
 - Q1 Array-based Medium Question
 - Q2 DP Medium Question
 - Q3 Array Medium Question

The online assessment was easier compared to other Day 0 companies due to which students who solved all three questions and had a relatively higher CG (8.5+) were shortlisted for the interview.

- Technical Round 1:- This round began with a short introduction, then the interviewer directly jumped to asking questions related to data structures and algorithms. The first question was a standard array modification question, followed by one dynamic programming question and an



optimization question.

- **Technical Round 2:-** This round again began with a short introduction, followed by a question on binary search. The task was to find the median of two sorted arrays without merging them – and doing so in the best time complexity. Towards the end of the round, we had a small chat about my projects. The interviewer did not go into much depth, but he seemed satisfied with my descriptions and explanations.
- **HR Round:-** I was asked questions about my internship in this round. The interviewer did not go deep into the technical aspects, he rather wanted to know how I adapted to the new company environment and how well I collaborated with the other developers. The HR round was shortened compared to the other rounds.

Sources of Preparation:

- Programming Websites such as Codeforces, Codechef, Geeks for Geeks, InterviewBit/Leetcode.
- DSA- Youtube Channels such as Aditya Verma (DP), and Striver (for Graphs, trees, and DP)
- OOPS- Lab Sheets and class lecture Slides
- DBMS- Youtube Channels such as Knowledge Gate and GateSmashers.

Relevant Courses and Certification:

- Data Structures And Algorithms
- Database Management System
- Object Oriented Programming.

Suggestions / Other Information :

- The introduction is a very important part of the interview, use it wisely to direct the interview to topics where you are strong.
- Do not mention skills on your resume that you do not know, It is better to have fewer skills and be more proficient in them than to have more skills and not be proficient in any of them. Companies mostly look only for good problem-solving skills.
- It is Completely Fine if you don't have a fancy Project on Your Resume. But you should thoroughly prepare your project and should know everything related to it, like what have you done and why have you done it.



Sector: IT

Name: Samriddha Sinha (2020A7PS0021P)

Company: Tata Steel

Company description:

Tata Steel Ltd is an India-based company that is engaged in the production and marketing of various steel products

Job Profile: CS/IT Intern

Job Description: Development of IT applications; Maintenance of existing IT systems compliant with the departmental and organization-wide quality and safety norms.

Location of Job: Jamshedpur

Selection Process

Branches open to: All

CGPA Criteria: >6.5 from the company

Recruitment Procedure: Online Test followed by Personal Interview

Sources of Preparation: InterviewBit for coding, GeeksForGeeks for other things like company-specific test and interview details, and also learn basic Computer Networks concepts. Also went over my projects

Relevant Courses and Certification: Nothing stands out to me, if you have any doesn't hurt to mention.

Suggestions/Other Information: Be thorough with your resume. You will need to know everything about the projects you've mentioned in it.



Sector: IT

Name: Aditya Kanthi(2020A7PS0087P)

Company: Tower Research Capital (TRC)

Company description: High-Frequency Trading(HFT)

Job Profile: Quantitative Research and Development Intern

Location of Job: London

Selection Process : Online Test + 2 Technical Interviews

Branches open to: Computer Science

CGPA Criteria: 8+

Recruitment Procedure:

The Online Test had 3 sections -

1. MCQs based on probability, statistics, oop concepts(both concept and output-based), and basic shell programming
2. 3 coding questions - two were of medium-hard level and one was hard level.
3. 2 debugging questions where the objective of some non-performing code was given and we had to correct it. One was a sudoku solver and the other was pointers based.

Technical Interview 1

OOP, DSA, and some math questions. Questions were unorthodox(like how can an array be sorted in the fastest time with n threads). Speed was very important as the number of questions was high.

Technical Interview 2

Resume + DSA questions.

Sources of Preparation:

Leetcode, GeeksForGeeks



Other Information :

- DSA(most important), OOP concepts(important for technical interview 1), permutations and combinations, and some math puzzles.
- Resume discussion was more than most companies so be completely through with it. It is important to give a proper description of the projects done.
- Explain the thought process clearly while solving.



Sector: IT

Name: Kaustab Choudhury (2020A7PS0013P)

Company: Wells Fargo

Company description (2-3 lines): Wells Fargo is a US-based financial services company. It is considered to be a part of the “Big Four Banks” in the United States.

Job Profile: Technology Intern

Job Description:

- **Role:** I was assigned to the CTO domain where I was assigned a project that would improve the developer experience of Wells Fargo’s software engineers. Most projects in this domain serve a similar purpose (to ease the burden of Wells Fargo’s engineers or provide them with a better experience). Other domains have different scopes. Interns were assigned to other domains also.
- **Skillset required:** Ability to work in a team, adaptability, proficiency in multiple languages like Python and Java, elementary but sound knowledge of business and finance, strong communication and interpersonal skills.

Location of Job: My location was Bangalore. Some interns were also located in Hyderabad.

No. of offers made: 7

Selection Process

Branches open to: I don’t exactly remember, but most probably B.E. CS and ECE, EEE, ENI.

CGPA Criteria: I believe it was 8.0 and above.

Recruitment Procedure:

Coding round, resume shortlisting, technical interviews.

The coding round was conducted on the AMCAT platform and there were three sections:



1. **English aptitude:** Basic grammatical questions. Should be straightforward for anyone who took their grammar classes seriously in school. Eg: Use the correct preposition in the sentence “I have been practicing since last Friday.”
2. **Business aptitude:** Simple case study type questions based on analysing graphs and charts. Eg: Given this graph of sales for a product, what do you predict about the future performance of the product (it might sound a little vague but it was actually very easily predictable, I don’t remember the exact question).
3. **Coding round:** 2-3 timed questions ranging from easy to medium difficulty. I do not remember the exact questions. I believe this section has the highest weightage, though the other sections are also important.

None of the sections had confusing questions. Everything was straightforward and well-presented. I was able to solve all of the testcases for the first two coding questions and most of the testcases on the third.

There were two technical interviews in my case. They were both held over Zoom.

1. After brief introductions, it started with the interviewer asking me to briefly go over my resume (especially the projects). Once they were satisfied with my explanations of those, they began asking questions about all sorts of topics. The topics ranged from DSA to OOP. They were mostly basic questions, but some of them were phrased trickily. Some questions were implementation-oriented, something like “If I need this particular data structure but also this particular feature, what can I do?”. I was able to answer all of the questions correctly. [I apologise to the readers, I don’t remember the exact questions.]
 2. In the second round, the interviewer was a lot more experienced. This time too, I was first asked to go over my projects. But here, I was interrupted several times because the interview would be asking doubts from within the projects themselves. Something like “Here you decided to do X, but why not Y?”. I believe the purpose of this is to make sure that the student knows everything about the projects they are claiming to have worked on in their resume. After this, the interviewer began asking me theoretical questions from DSA and DBS. I was able to answer all of their questions except for one.
- No coding questions were asked in the interviews. I noticed that the interviewers marked me positively for my polite tone of speaking and good command of spoken English. I was also told that in Wells Fargo good communication skills is seen as a positive trait, because often we need to present our technical work to people not very proficient with the technical side of things.
 - There was supposed to be an HR round after this, but at around 7pm (after a full day of interviews), we were informed that the HR round will no longer happen, and the final shortlist would be released by assessing these interviews.

Sources of Preparation:

Leetcode, Interviewbit, DSA/OOP/DBS textbooks and notes, previous year interview experiences of Wells Fargo interns (available on GFG).



Relevant Courses and Certification:

CP, DSA, DBS, OOP. All of these courses are important. One should at least have basic knowledge of them all is a must.

Suggestions / Other Information :

- Be extremely thorough with your resume. Anything can be asked from anything you have mentioned there.
- Be calm in the interviews. If you don't know a question, just say that and move on. Don't guess or say "I guess the answer is...".
- For the coding rounds, prepare as you would for any other company.
- Be thorough with the basic concepts of OOP and DBS apart from DSA.



Sector: IT

Name: Samyak Bakliwal (2020A7PS0104P)

Company: Wells Fargo

Company description (2-3 lines): Wells Fargo is a prominent American multinational financial services company that provides a wide range of banking, investment, mortgage, and consumer and commercial finance products and services.

Job Profile: Intern Analyst

Job Description: We could choose from a list of problem statements to work on. We had the option of choosing whatever domain we were comfortable with.

Location of Job: Bangalore

Selection Process

Branches open to A7

CGPA Criteria: 7.5, but the test link was sent to only those with 8.3+ CG.

Recruitment Procedure: There was one online test and two interview rounds. The test had some business aptitude and logical reasoning questions, followed by two easy-medium coding questions. The aptitude and reasoning questions also had a significant weightage. 21 students were shortlisted for the next round.

- The first interview round was seriously very easy. Two straightforward implementation questions were asked, followed by HR questions.
- The second interview round mostly had HR questions and one tricky DBMS question. Finally, 7 students were offered the internship.



Sources of Preparation: InterviewBit and Leetcode

Relevant Courses and Certification: Object-Oriented Programming, Database Systems, and Data Structures and Algorithms(*)

Suggestions / Other Information:

- Try to have in-depth knowledge of all the projects or internships you have mentioned. Do not write anything in your resume that you are not confident about. Get your resume frequently reviewed by seniors.
- Try practicing problem-solving daily. Start giving mock interviews one week before the internship season starts. Best of luck!



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PRODUCT



Sector: Product Management

Name: Shreekar Puranik (2020A7PS0035P)

Company: Limechat

Company description:

LimeChat is a WhatsApp Business API solution provider to create WhatsApp campaigns for eCommerce marketing, sales and customer support.

Job Profile: Product Analyst

Location of Job: Bangalore

Selection Process

Branches open to: All

CGPA Criteria: 7+

Recruitment Procedure:

- SQL Test + Resume shortlisting. There was a regular shortlist and a wait list. Test was online, basic SQL questions, but only those who scored very high were shortlisted
- Interview round 1 was a single question - explain the pipeline during conversational commerce. Basically wanted me to go through all the steps that a consumer has to take from opening the link, all the way to receiving the product. Also wanted me to explain where different customers may drop off, how we can stop them from dropping off in each of those single points.



- Interview round 2 was another question - How will you improve instagram. Kept vague on purpose, the interviewer wanted me to go through all the different metrics to be measured, and go in detail about how we can make it better. Explained that we could use the number of users, money earned, number of ads on the app, he also asked what are the different types of users, so then had to explain we have influencers, we have companies, we have regular users etc.
- In the same round some questions about myself and my resume - why I want to go into product even though I'm in CS. Why I did badly in my worst subject, what I did in my previous internship.
- **BIG TIP:** Research more about the company before the interview. The first question was fairly simple if you did some research about conversational commerce beforehand, and this is the main thing llimechat works on.

Sources of Preparation: SQL - DBMS course is enough, offered in BITS, use those resources itself. For product check out Exponent

Suggestions / Other Information : Limechat is a startup, so saying I was really interested in startups and proof that I was interested is what I think gave me a good advantage.