



• APTIV •

Artificial Intelligence/Machine Learning Engineer

Are you ready to be at the forefront of innovation in the mobility revolution? Aptiv, a global technology leader, is on the lookout for an enthusiastic and accomplished Artificial Intelligence/Machine Learning Engineer to join our dynamic Artificial Intelligence, Machine Learning team. This is your chance to be part of something extraordinary. Join Aptiv and play a pivotal role in shaping the automotive industry's future. Be inspired, be challenged, and be a driving force behind the innovations that will redefine mobility.

Your Role

At Aptiv, we are dedicated to developing innovative solutions that make transportation safer, greener, and more connected. As an Artificial Intelligence/Machine Learning Engineer, you will play a crucial role in advancing the capabilities of autonomous vehicles. You will be responsible for designing and implementing machine learning models governing the planning and behavior aspects of autonomous driving systems. This is not just a job; it's an opportunity to lead the charge in inventing cutting-edge tools that will redefine how our engineers work and shape the future of automotive technology. Your day to day will consist of the following:

1. **Embedded Systems Development:** Contribute to the design and development of embedded systems, with a primary focus on machine learning and artificial intelligence applications.
2. **Algorithm Implementation:** Implement machine learning algorithms and AI models within embedded systems to enhance automotive software solutions.
3. **Performance Optimization:** Apply code optimization techniques, ensuring efficient and optimized performance of embedded systems.
4. **Hardware Familiarity:** Work with various hardware architectures, including FPGA, DSP, and AI processors, ensuring compatibility and optimization.
5. **Fixed Point Implementation:** Implement fixed-point solutions and quantization techniques to optimize algorithm performance on embedded platforms.
6. **Collaborative Teamwork:** Collaborate with cross-functional teams, including data scientists and machine learning engineers, to facilitate the deployment of AI models into production.
7. **Vendor and Stakeholder Interactions:** Engage in discussions with vendors, including major cloud providers, to align strategies and leverage cutting-edge technologies.

Your Background:

Key ingredients for succeeding in this role are stated below:

- Ph.D. in Computer Science or related field
- Expert with proven background in embedded software development (at least 3 years)
- Must have strong programming skills in C, C++ including applying compiler and debugging methods



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- Experience with code optimization approaches, understanding of memory dependencies
- Familiar with instruction sets and memory architectures, FPGA, DSP and AI processors
- General knowledge about perception and machine learning algorithms

Why join us?

- **You can grow at Aptiv:** Aptiv provides an inclusive work environment where all individuals can grow and develop, regardless of gender, ethnicity or beliefs
- **You can have an impact:** Safety is a core Aptiv value; we want a safer world for us and our children, one with: Zero fatalities, Zero injuries, Zero accidents
- **You have support:** We ensure you have the resources and support you need to take care of your family and your physical and mental health with a competitive health insurance package.

Your Benefits at Aptiv:

- Hybrid and flexible working hours;
- Higher Education Opportunities (UDACITY, UDEMY, COURSERA are available for your continuous growth and development);
- Life and accident insurance;
- Sodexo cards for food and beverages
- Well Being Program that includes regular workshops and networking events;
- EAP Employee Assistance;
- Access to fitness clubs (T&C apply);
- Creche facility for working parents;

Apply today, and together let's change tomorrow!