



## Internship - Artificial Intelligence / Machine Learning

### Job description

Our team create smart AI-enabled IoT solutions by harnessing various semiconductor components from Infineon such as sensors, radar and microcontrollers. As an intern in the "IoT Sensor Solutions" team from "Radio Frequency & Sensors" unit, your main responsibility includes but not limited to specification and development of AI-enabled solution based on Infineon's technology that enables embedded smart connected systems.

#### In your new role you will:

- Prepare data for **training neural networks**
- Design and train **neural network** with the considerations of **hardware implementation**
- Focus on **AI model quantization** without affecting accuracy of the solution
- **Benchmark various hardware architecture choices**
- Deploy the **AI solution** on the **Embedded platform**

#### Internship learning outcomes:

- **Solve real-life challenges in workspace with end-to-end AI/ML solutions**
- **Coaching in AI/ML development framework**
- **Exposure to MNC global R&D environment with a deeper understanding of industrial trends**

### Profile

#### You are best equipped for this task if you have:

- Undergraduate student in **Electrical/Computer Engineering, Computer Science or a related discipline**
- Good understanding of **Neural Network, statistical Machine Learning theory**
- Familiar with **python, MATLAB, C/C++, CUDA programming and Linux OS**
- Knowledge of **common ML frameworks & optimization techniques**
- Plus points
  - Knowledge of **digital signal processing theory & techniques**
  - Knowledge of **Internet of Things & embedded system development**

### At a glance

Location:

Job ID: **344801**

Start date: **as soon as possible**

Entry level: **0-1 year**

Type: **Full time**

Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **344801**

[www.infineon.com/jobs](http://www.infineon.com/jobs)



# Why Us

**Part of your life. Part of tomorrow.**

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

*In accordance with the requirements set by the Singaporean Government, Infineon Technologies Asia Pacific Pte Ltd (“Infineon”) can only allow individuals who are (a) fully vaccinated, (b) certified to be medically ineligible for a vaccine or (c) have recovered from COVID-19 within a prescribed period, onto company premises. Therefore, Infineon requires all new employees, as well as contractors and business partners, to be fully vaccinated against COVID-19. “Fully vaccinated” means individuals have completed the full regime of an approved COVID-19 Vaccine as listed under the World Health Organization (WHO) Emergency Use Listing (EUL) including the respective post-vaccination period to ensure the vaccine has become full effective. Anyone who is unable to be vaccinated due to an approved and/or recognised exemption condition may apply for special consideration.*

