



## Internship - Artificial Intelligence

### Job description

Are you a student who wants to work on Artificial Intelligence Applications? Do you like playing around with data and you are open to exploring new insights using cutting edge technologies? You call yourself a Maker and have plenty of ideas? If yes, come and join us: Use AI to help us to transform real-life problems and use our building blocks to develop new applications based on Machine Learning. Help us to document it and transform them into new unique customer experience. Project summary: Our team delivers analog mixed signal IPs such as on-die temperature sensors, oscillators & PMS modules to Infineon business units. We therefore design CMOS signal processing circuits e.g. amplifiers, ADCs, DACs, oscillators, PLLs, voltage regulators & filters. In this project, the internship involves contributing to AI Projects in enhancing the productivity & efficiency of the AMS IPs development.

#### In your new role you will:

- Develop new **AI/Machine Learning applications** (from ideation to deployment of application solution).
- Formulate approaches to solve problems using **AI/ML** to address **circuit design challenges**.
- Train new **Models/Algorithms** for prediction & deploy.
- Think like a maker and **implement creative projects**.

#### Internship learning outcomes:

- Understanding of basic **IC design domain knowledge**.
- Experience in **AI applications** to support **integrated circuits development** and knowledge to **solve real-life circuit design problems**.
- Experience in **deploying programming skills**.

### Profile

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

- Undergraduate of Bachelor's/ Master's degree in **Computer Science/Electrical /Electronic Engineering Electronics/Electrical Engineering/Physics**.
- Experience in programming languages like **Python/R**.
- Good knowledge on the **basics of Machine Learning Algorithms**.
- Experience and knowledge on **deep learning frameworks** like **PyTorch, TensorFlow** is advantageous

### At a glance

Location: **(Singapore)**  
Job ID: **356742**  
Start date: **as soon as possible**  
Entry level: **0-1 year**  
Type: **Full time**  
Contract: **Temporary**

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Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

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