

# Driving decarbonization and digitalization. Together.



## Internship - Business Analytics (Image Segment Analysis & Search)

### Job description

IFX collects large number of Failure Analysis Reports capturing images, defect description and their corresponding final conclusion. Currently, there is a Global Virtual FA Solution (iFAME) developed to search for similar defect signature based on images content and input text ranking of result by relevancy. The opportunity here is to improve the existing image based search engine (iFAME) with advanced features using GenAI-LLMs and computer vision.

In your new role you will:

- **Working with data scientists and domain experts** to design the AI/ML workflow and deployment
- **Prove concepts, prototypes and implementations**, mainly pertaining to the solutions and services in Information extraction from images, computer vision & search
- **Transform the prototypes into production** with best practices (e.g. model development, model deployment, model management & monitoring)
- End to End **operation support for AIML solution** (Data Engineering & Modelling & Visualization)
- Implement and maintain best practice

Internship learning outcomes:

- Industry work experience, access to different points of view and widened
- Overview of semiconductor industry through orientation of Infineon and self exploration
- **Exposure to Gen AI, CV, NLP** and to actual industry applications
- Gain understanding of analytics platforms/tools and ability to write production ready analytic scripts

### Profile

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

- Strong understanding, conceptualizing and hands-on experience in **Software development, Deep Learning, Computer Vision**

### At a glance

Location: **Singapore (Singapore)**  
Job ID: **HRC0931427**  
Start date: **Mar 03, 2025**  
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0931427**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



- Experience in **software development cycles** and **excellent programming skill** with scripting languages & frameworks e.g. Python, TensorFlow, PyTorch, Sklearn
- **Familiar with micro services** eg. OpenShift and Web Application development
- Experience in **RDBMS** (i.e. Oracle/ SQL) & in NoSQL Databases such as CEPH/ELK are optional

## Benefits

- **Singapore:** Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Staggered working hours for normal shift employees ; Home office options, certain conditions apply.; Part-time work possible (applicable for normal shift employees); On-site day-care center; Medical coverage; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Paid sick leave according to law, personal accident & work injury insurance, long term illness leave; Retirement benefits, re-employment opportunities, employment assistance payment; Performance bonus; Provision of long haul transport for shift and shuttle services for office to defray transport costs

## Why Us

### #WeAreIn for driving decarbonization and digitalization.

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

### Are you in?

### We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

