



## Internship - Business Analytics

### Job description

iFAME 3.0 Image Search Engine and Vector Search Analytics - The opportunity here is to improve the existing image-based search engine (iFAME) with advanced features like image captioning, search using Image with embedded text, search particular patterns images and so on.

#### In your new role you will:

- Collaborate with team members from **prototyping to production level**
- **Research and Development** based on new ideas on **Business Analytics**
- Hands on in the areas: **Data Analytics (descriptive & predictive analysis), Data Harvesting, Computer Vision, Text Analytics, Statistical analysis, Visualization**
- **Build AIML solutions** based on **Python**
- **Build analytical models** using structured/un-structured Data
- Use **computer vision algorithms** to classify images and make it more searchable
- Understand and Prepare data using **relational/dimensional databases/ Data Warehouse**
- Documentation: **Technical/Functional Specifications** and **PoCs findings**
- **Knowledge Sharing** with in team on project/PoC findings

#### Internship learning outcomes:

- Learn how a semi-conductor company uses the various analytics use cases in 'Business-To-Business' context.
- **Real world project experience** in the area of Business analytics
- Apply **data processing, analytical methods & techniques** to solve business problems
- Work on project by understanding **Business problems, gain deeper biz. domain knowledge.**
- Understand and experience professional database
- **Work closely with a professional mentor** who will help Interns to improve their skills while working on business problems
- **Learn storytelling concept using data** which brings actionable insights.
- Work with a start-up-like environment

### Profile

You are best equipped for this task if you have:

#### At a glance

Location: **(Singapore)**  
Job ID: **360550**  
Start date: **as soon as possible**  
Entry level: **0-1 year**  
Type: **Full time**  
Contract: **Temporary**

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Job ID: **360550**  
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- On track to attain **Master or PhD Degree in field of study - Computer Science Engineering/Mathematics/Statistics/Business Analytics**
- Hands on experience in **transfer learning** and **Deep Learning** such as **image analytics, text analytics and deep learning, the knowledge of search engine development** is good to have.
- Knowledge on **deep learning frameworks** is a plus
- Programming skills using **Python** is required; experience with **C++** or **Go** is good to have
- Knowledge of **Mathematics in Linear algebra** and experience with **kubernetes** platform is good to have.
- Strong analytical and problem-solving skills with solution-oriented mind-set
- Trustworthiness, Integrity, Humility and Accountability
- Highly motivated, structured and methodical with high degree of self-initiative

## Why Us

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

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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