

# LIM JIUN HONG

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## EDUCATION

### UCSI University, Kuala Lumpur

Jan 2022 – Dec 2025

*Bachelor of Computer Engineering (Artificial Intelligence) with Honours | CGPA: 3.63/4.00*

**Relevant Coursework:** Algorithm Design & Analysis, Object Oriented Programming, Machine Learning, Human Computer Interaction, Big Data, Machine Vision, Blockchain

## TECHNICAL SKILLS

**Languages:** Dart, Swift, Python, Java

**Frameworks & Tools:** Flutter, GetX, UIKit, Git, Proxyman, Figma, Firebase, Flask, OpenCV, PyTorch

**AI/ML Domains:** Computer Vision, Natural Language Processing, Model Fine-tuning and Deployment

## EXPERIENCE

### ASI System Integrator Sdn Bhd – AI Engineer

Dec 2025 – Present

*Tech Stack: Figma, Flutter, Dart, Firebase, Python, OpenCV*

- Solely designed and developed cross-platform mobile applications using **Figma, Flutter, and Firebase**, delivering seamless user experiences.
- Independently built and deployed web solutions, including dashboards integrated with **Firebase** for real-time data monitoring, and company websites for marketing and informational purposes.
- Led end-to-end implementation of machine vision solutions using **Python and OpenCV** for manufacturing lines, improving automation and accuracy in quality control and monitoring.

### Ant International - iOS Frontend Developer Intern

Sep 2024 – Dec 2024

*Tech Stack: Swift, UIKit, Git, Proxyman*

- Coordinated with international teams of designers and developers to implement key features for the WorldFirst mobile application, streamlining financial tasks for **over one million** customers worldwide.
- Built and shipped features using **Swift** and **UIKit**, following the **MVVM-C** architecture for efficient and scalable mobile app design.
- Utilized internal tools to implement remote control functionality for emergency handling, enabling the shutdown of specific features in the production app if there are critical failures.
- Created and maintained technical documentation to facilitate knowledge sharing within the team.

### MusixMusix Sdn Bhd – Flutter Developer Intern

Sep 2023 – Dec 2023

*Tech Stack: Flutter, Dart, Firebase*

- Developed an administrative webpage for the MyBioD mobile application, enabling real-time data management for all primary and secondary schools nationwide.
- Developed features using **Flutter**, following the **MVC** architecture, with **Firebase** for authentication and database operations.
- Leveraged **GetX** for state management, dependency injection and route management.

## PROJECTS

### OWAYS Quotation App

Sep 2025 – Nov 2025

*Tech Stack: Figma, Flutter, Dart, Firebase*

- Independently designed and developed a cross-platform quotation application using **Flutter**.
- Enabled staff to calculate quotations and export them as PDFs on portable devices, streamlining pricing and allowing on-the-go access.
- Implemented role-based access control, providing different features, permissions and access for various employee types.
- Integrated real-time data synchronization with **Firebase**, ensuring all users have up-to-date quotation information across devices.

## Intelligent Receipt Recognition System

Jan 2025 – Aug 2025

*Tech Stack: Figma, Flutter, Dart, Firebase, Python*

- Independently designed and developed a smart application using **Flutter** and a locally hosted **Flask API** to automate receipt text extraction and product categorization, without relying on third-party services or API keys.
- Trained and fine-tuned **BERT** for intelligent product categorization, delivering **96% prediction accuracy**.
- Integrated **Qwen3** with prompt engineering to implement a responsive in-app chatbot, enabling users to naturally query and interact with the system for insights on their receipts and spending.
- Built and optimized two pipelines, using **GOT-OCR2.0** and **Qwen2.5-VL** respectively, to accommodate different hardware specifications, with **Qwen2.5-VL with BERT** pipeline achieving **87% accuracy** on unseen data.

## Fruit Scanner

Jan 2025 – May 2025

*Tech Stack: Python, OpenCV*

[github.com/Jiunhong712/Fruit\\_Scanner](https://github.com/Jiunhong712/Fruit_Scanner)

- Designed and developed an AI-powered fruit detection and quality assessment system using **YOLOv8**, enabling real-time evaluation of fruit ripeness and freshness on **Raspberry Pi 5**.
- Collected and processed a custom dataset of images, performing data cleaning, augmentation, and labeling to improve model performance and robustness in real-world conditions.
- Fine-tuned the **YOLOv8** model on the custom dataset, and achieving an **average of 90% accuracy** across all classes on the test set.