

LOOI YONG HANG

AI & IT Intern | Computer Vision & Systems

Pengkalan Hulu, Perak, Malaysia | 011-35121792 | looiyonghang4855@gmail.com

LinkedIn <https://www.linkedin.com/in/yonghanglooi/>



PROFESSIONAL SUMMARY

Computer Science (Artificial Intelligence) undergraduate with a CGPA of 3.43 and a Diploma in Information Technology with a CGPA of 3.88. Previous experience as a web developer intern, with hands-on project experience in Python, PyTorch, computer vision, PHP, MySQL, and web application development. **Available for internship from 28 September 2026 to 12 March 2027.**

EDUCATION

Universiti Teknikal Malaysia Melaka (UTeM) | Oct 2023 - Present

Bachelor of Computer Science (Artificial Intelligence) with Honours - In Progress

- Faculty of Artificial Intelligence and Cyber Security | CGPA: 3.43 / 4.00
- Relevant Coursework: Machine Learning, Natural Language Processing, Neural Networks, Fuzzy Logic, Evolutionary Computing.

Politeknik Balik Pulau | Aug 2020 - Mar 2023

Diploma in Information Technology (Digital Technology) | HPNM/CGPA: 3.88

TECHNICAL SKILLS

- **Programming & Web:** Python, C++, Kotlin, JavaScript, PHP, HTML, CSS.
- **AI & Machine Learning:** PyTorch, YOLO, ConvNeXt-Tiny, Object Detection, Image Classification, Data Preprocessing.
- **Database:** MySQL.
- **Development Tools:** Git, GitHub, VS Code, PyCharm, Jupyter Notebook, Android Studio, XAMPP, MATLAB, CLion.

WORK EXPERIENCE

Opersion Ecommerce & Software Sdn Bhd - Web Developer Intern | Oct 2022 - Mar 2023

Butterworth, Penang

- Supported front-end and back-end development for web-based software and e-commerce projects.
- Created and updated website page layouts using HTML, CSS, and JavaScript, and assisted with basic PHP backend tasks under supervisor guidance.
- Tested website functions, reported issues, and supported troubleshooting to improve usability.
- Worked with supervisors to complete assigned tasks, update website features, and document completed work during the internship.

ACADEMIC PROJECTS

Final Year Project I - A Web-Based AI System for Durian Leaf Disease Detection and Treatment Recommendation Using CNN

- Developed a hybrid AI pipeline using YOLO for durian leaf localisation and ConvNeXt-Tiny for disease classification.
- Prepared and pre-processed image datasets and trained the ConvNeXt-Tiny classification model using PyTorch.
- Integrated YOLO and ConvNeXt-Tiny into a web system for disease prediction and treatment recommendations.

Ali Barber Shop Booking System - C++ and MySQL Coursework Project

- Developed a booking management system using C++ and MySQL to support customer haircut booking, staff/admin login, booking list management, payment records, and report viewing.
- Designed system flowcharts, ERD, data dictionary, and console-based interfaces for customer, staff, and admin users.
- Implemented appointment booking, record viewing, record updates and deletion, payment recording, and basic input validation.

CERTIFICATIONS & ADDITIONAL INFORMATION

- Oracle Certified Foundations Associate, Database - Oracle University, Oct 2025.
- Google Data Analytics Professional Certificate - Google, completed through a UTeM-sponsored programme.
- Languages: Bahasa Malaysia | English | Mandarin Chinese
- Transportation: Own transport and valid driving licence.