

AHMAD ZIYAD BIN ZABIDI

Bachelor of Computer Engineering with Honours

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SUMMARY

Computer Engineering student at Universiti Malaysia Perlis (UniMAP) with strong technical and problem-solving skills, seeking to contribute to a forward-thinking organisation. Applies analytical thinking and a proactive approach to develop practical engineering solutions while continuously expanding technical expertise, delivering high-quality results through innovation, adaptability, and continuous learning.

WORK EXPERIENCE

Multimaker Space Sdn Bhd, Malaysia

JUL2025-OCT2025

Project Development (Intern)

- Taught Micro:bit, Python, and robotics projects at venues including Vitrox Academy.
- Worked on machine learning object detection (YOLO) using Raspberry Pi.
- Conducted 3D printing workshops and hands-on sessions for school students.

Inari Technology Sdn Bhd, Malaysia

JUN2021-DEC2021

R&D Technician (Intern)

- Performed wire bonding on semiconductor packages, PCBs, and other substrates using manual, semi-automatic, and fully automated wire bonding machines.
- Ensured proper calibration of bonding parameters for consistency and reliability.

EDUCATION

Bachelor of Computer Engineering (Hons.), Universiti Malaysia Perlis

OCT2022-JUL2026

- CGPA: 3.02

Diploma in Computer Engineering Technology, Japan-Malaysia Technical Inst.

JUN2018-DEC2021

- CGPA: 3.12

Malaysian Skills Diploma (DKM) Level 4, Japan-Malaysia Technical Inst.

JUN2018-DEC2021

- CGPA: 3.12

CERTIFICATION

Google Advanced Data Analytics Certificate, Google

Covers advanced data analysis skills using tools like Python to solve real-world problems.

AI Integrated Circuit Design and Fabrication Certificate, Asia Pacific University

Introduces the basics of integrated circuit design and fabrication with the application of AI concepts.

PROJECTS

Student Stress Prediction ML

Python • Machine Learning • React/Vite Dashboard

- Built an AI-powered academic stress prediction dashboard that classifies stress levels (Low/Moderate/High) from 8 lifestyle and academic inputs, with sleep duration identified as the dominant predictor.
- Designed an interactive SaaS-style UI (React, Vite, Tailwind CSS, Recharts) with a stress gauge, lifestyle radar chart, and personalised wellness recommendations.

Tennis Analysis System

Python • OpenCV • YOLOv8

- Built a computer vision pipeline that detects players, the ball, and court keypoints from broadcast tennis footage using YOLOv8 and homography-based court mapping.
- Rendered an annotated output video with a top-down mini-court, ball trajectory trail, and a cadence-controlled player/shot statistics dashboard.

Cold Email Generation Tool

Python • Streamlit • LangChain • Groq LLM • ChromaDB

- Developed a Streamlit app that scrapes a job-posting URL, extracts the role and required skills using a Groq-hosted Llama model, and drafts a personalised cold email.
- Used ChromaDB to retrieve relevant portfolio links matched to extracted skills, tailoring each generated email to the job posting.

YOLOv8 Animal Detection

Python • YOLOv8 • OpenCV • Ultralytics

- Built a custom object detection model using YOLOv8 and OpenCV to identify animals in images.
- Personal learning project exploring object detection workflows and the Ultralytics YOLOv8 framework.

SKILLS

Programming Languages: Python, C, C++, JavaScript, Java, R

Frontend (Web): React, TypeScript

Databases: Firebase, ChromaDB

Data Science & Machine Learning: Pandas, NumPy, Scikit-learn, PyTorch, Matplotlib