MUHAMMAD AMMAR BIN PAUZAN

Kajang, Selangor, Malaysia | \$\&\ +60-1139063634

ammarpauzan@gmail.com

https://my.linkedin.com/in/muha mmad-ammar-bin-pauzan 9a3a17183



OBJECTIVE

Motivated and detail-oriented Computer Engineering graduate from Universiti Teknikal Malaysia Melaka (UTeM), with hands-on experience in IT support, microcontroller systems, and software development. A proactive and reliable team player with strong problem-solving skills, seeking an opportunity to apply my technical knowledge and contribute to organizational success.

EDUCATION

Universiti Teknikal Malaysia Melaka (UTeM) – Bachelor of Computer Engineering with Honors *Expected Graduation: October 2025 | CGPA: 3.4 | Dean's List award (2 semesters)*

Johore Engineering Matriculation College CGPA: 3.71

MRSM Bentong (SPM)
Results: 7A, 2B, 1C

WORK EXPERIENCE

Protégé Technical Assistant - Network and IT Team

Iburuj Network SDN BHD | August 2025 – Present

- Proactively monitored network infrastructure using SolarWinds, Observium, and SIEM in a 24/7 rotation, ensuring optimal system performance and uptime.
- Supported engineers in scheduling, ticketing, and documentation to streamline operational workflows.
- Assisted in preparing technical documents, presentations, and project materials for internal and client use.
- Delivered Level 1 corrective and preventive maintenance to resolve issues efficiently and prevent recurring incidents
- Performed quarterly preventive maintenance on hardware, software, and network equipment to maintain system reliability.
- Troubleshot and resolved hardware and software issues in collaboration with technical teams.
- Installed, configured, and maintained IT infrastructure, including servers, switches, and related equipment.
- Contributed to successful project delivery and provided ongoing operational support to meet business requirements.

IT Support Intern – IT Help Desk at Ministry of Agriculture and Food Industries, MAFI

Serasi Solutions SDN BHD | July 2024 - September 2024

- Managed IT helpdesk operations, providing technical assistance to staff on hardware, software, and network issues.
- Performed system maintenance and troubleshooting to ensure seamless daily operations.
- Assisted in resolving both software configuration and hardware repair tasks.

PROJECT HIGHLIGHTS

Real-time Hand Posture Recognition Using STM32 AI Model Zoo and Time-Of-Flight Sensor (STM32 Microcontroller and Time-Of-Flight Sensor)

Final Year Project | 2025

• Developed a real time detection of 8 classes of gestures (Flat hand, Fist, Love, Like, Dislike, Cross Hand, Break Time, None) with the help of Time-of-flight sensor.

License Sticker Expired Detection (YOLOv8)

Computer Vision and Pattern Recognition Assignment | 2025

• Trained and deployed image and date detection models for detect the expired date of the license car.

Leaf Decease Detection (MATLAB)

Digital Image Processing Assignment | 2025

 Developed a MATLAB-based image processing system for leaf disease detection by filtering and segmenting healthy vs. affected areas.

Portable Optical Based Turbidity Meter (Arduino)

Integrated Design Project (IDP) | 2024

 Developed a mini compact device using Arduino to measure and display turbidity of water samples in NTU for quality analysis.

Smart Parking System (Arduino)

SULAM Community Project | 2024

• Built a prototype smart parking solution that monitors slot availability in real-time and displays empty spaces to reduce parking search time.

Visitor Management System (JavaScript, MongoDB)

Information Security Project | 2023

Food Delivery System (C++)

Programming Assignment | 2022

CERTIFICATIONS AND TRAINING

- TRIZ certification
- Introduction to MongoDB Online Course
- Malaysian University English Test (MUET) Band 4

SKILLS AND TOOLS

Software Proficiency:

Python, C++, JavaScript, R, MATLAB, Git, Visual Studio, VS Code

Control & Robotics:

Embedded Systems (STM32, Arduino),

Platforms & Tools:

Linux, STM32CubeIDE, Keil uVision, MATLAB, Vivado, Wireshark

Other Skills:

Microsoft Office Suite, Google Colab

CO-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Industrial Special Award from STMicroelectronics INOTEK 2025 (Final Year Project)
- Bronze INOTEK 2025 (Final Year Project)
- Bronze INOTEK 2024 Festival (Integrated Design Project)
- Volunteer SULAM Program: Taught microcontroller & coding to secondary school students
- Crew Member Haunted House Event, FTKEKK Festival 2022

LANGUAGES

• Bahasa Malaysia: Fluent

• English: Intermediate

REFERENCES

TS. DR. SANI IRWAN BIN MD SALIM

Timbalan pengarah, Faculty of Engineering, UTeM

TS. DR. AFIFAH MAHERAN BINTI ABDUL HAMID

Pensyarah kanan, Faculty of Engineering, UTeM

♦ 012-4066589 ■ <u>afifah@utem.edu.my</u>