

MUHAMMAD AMMAR BIN PAUZAN

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Portfolio: <https://mrammar2.github.io/>



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

Graduated: November 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.
- Troubleshoot 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

Personal Portfolio Website

Personal Projects | 2025 | Link: <https://mrammar2.github.io/>

- Developed a static portfolio website to present engineering projects, system-level work, and technical skills.
- Applied responsive web design principles and structured content for recruiter readability.
- Utilized Git and GitHub Pages for source control and deployment.
- Serves as a central platform for project documentation and professional branding.

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 Disease 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

- Developed a secure web application to track and manage visitor entries, implementing role-based access control and data encryption for sensitive information.

Food Delivery System (C++)

Programming Assignment | 2022

- Designed a structured and well build with algorithms and implemented a console-based food ordering system with order management and receipt

CERTIFICATIONS AND TRAINING

- TRIZ certification
 - Introduction to MongoDB – Online Course
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SKILLS AND TOOLS

Programming Languages:

Python, C++, JavaScript, R

Data Analytics & AI:

Machine Learning, Deep Learning (2DCNN), Image Classification

Control & Robotics:

Embedded Systems (STM32, Arduino)

Data & Visualization Tools:

Power BI (Dashboard Design, Data Modeling), R Programming (Data Processing), Excel

Platform and Tools:

Linux, STM32CubeIDE, Keil uVision, MATLAB, Vivado, Wireshark, MATLAB, Git, Visual Studio, VS Code

Web Development:

HTML, CSS, JavaScript

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)
- Team Leader – SULAM Program: Taught microcontroller & coding to secondary school students
- Crew Member – Haunted House Event, FTKEKK Festival 2022

LANGUAGES

- **Bahasa Malaysia:** Fluent
- **English:** Intermediate

ADDITIONAL INFORMATION

- **Driving license:** DA, B2
- **Possess own transportation:** Yes
- **Willing to travel/relocation:** Yes

REFERENCES

TS. DR. SANI IRWAN BIN MD SALIM

Timbalan pengarah, Faculty of Engineering, UTeM

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TS. DR. AFIFAH MAHERAN BINTI ABDUL HAMID

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