

## MUHAMMAD AMMAR BIN PAUZAN

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



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### 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.

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### 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*

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### 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.
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## 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 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

- 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

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## 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

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## 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
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## LANGUAGES

- **Bahasa Malaysia:** Fluent
  - **English:** Intermediate
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## ADDITIONAL INFORMATION

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

### TS. DR. SANI IRWAN BIN MD SALIM

Timbalan pengarah, Faculty of Engineering, UTeM  
06-2702363 | ✉ [sani@utem.edu.my](mailto:sani@utem.edu.my)

### TS. DR. AFIFAH MAHERAN BINTI ABDUL HAMID

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