MUHAMMAD AMMAR BIN PAUZAN
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Portfolio: https://mrammar2.github.io/

OBJECTIVE

Analytical and detail-oriented Computer Engineering graduate from Universiti Teknikal Malaysia Melaka (UTeM), with hands-on experience in IT support, software development, and data analysis. Seeking a Software , Data/AI related role or IT Executive to apply technical expertise, derive actionable insights, and drive data-informed decisions.

EDUCATION

Bachelor of Computer Engineering with Honors   **October 2021 – November 2025**
Universiti Teknikal Malaysia Melaka (UTeM)   Durian Tunggal,Melaka
CGPA: 3.4 | Dean's List award (2 semesters)

Major in Engineering   **July 2020-April 2021**
Kolej Matrikulasi Kejuruteraan Johor   Pontian, Johor
CGPA: 3.71

MRSM Bentong (SPM)   **February 2018-November 2019**
Results: 7A, 2B, 1C   *Bentong, Pahang*

WORK EXPERIENCE

Protégé Technical Assistant – Network and IT Team   **August 2025 - Present**
Iburuj Network SDN BHD   *Cyberjaya, Malaysia*
Monitored and maintained network infrastructure using SolarWinds, Observium, and SIEM, ensuring 24/7 system performance and uptime.
- Provided Level 1 IT support, troubleshooting hardware, software, and network issues.
- Assisted engineers with ticketing, scheduling, documentation, and project coordination.
- Installed, configured, and maintained IT infrastructure, including servers and network equipment.
- Prepared technical documentation and conducted preventive maintenance to ensure system reliability.

IT Support Intern – IT Help Desk at MAFI   **July 2024-September 2024**
Serasi Solutions SDN BHD   *Cyberjaya, Malaysia*
- 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 (*Link: https://mrammar2.github.io/*)
- Developed and deployed a responsive portfolio website showcasing engineering projects and technical skills using Git and GitHub Pages.
- Structured content for clear recruiter readability 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)
- 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)
- Trained and deployed image and date detection models for detect the expired date of the license car.

Leaf Decease Detection (MATLAB)
- 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)
- Developed a mini compact device using Arduino to measure and display turbidity of water samples in NTU for quality analysis.

Smart Parking System (Arduino)
- 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)

Food Delivery System (C++)

CERTIFICATIONS AND TRAINING

- TRIZ certification

- Introduction to MongoDB – Online Course

SKILLS AND EXPERTISE

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

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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