

Muhd Alif Asyraf b. Mohd Azlan

017-3011848 | alifasyraf0911@gmail.com | [linkedin.com/in/alifasyraf461](https://www.linkedin.com/in/alifasyraf461) | github.com/Etticx | leetcode.com/u/Alifasyraf461

PROFESSIONAL SUMMARY

Maybank Scholar and Intelligent Systems Engineering undergrad (CGPA: 3.93) with a strong foundation in AI engines, machine learning algorithms, and intelligent system design. Proven ability to drive business impact at PETRONAS. Seeking an AI Engineering internship to deliver scalable, AI-driven solutions and advanced analytical models across Maybank's technology departments.

EDUCATION

MARA University of Technology

Bachelor of Information Systems (Hons.) Intelligent Systems Engineering (CGPA: 3.93/4.00)

Shah Alam, Selangor

March 2025 – Present

- Maybank Group Scholarship 2025 Recipient
- Maybank Ambassador 2026

MARA University of Technology

Diploma in Computer Science (CGPA: 3.89/4.00)

Segamat, Johor

Oct. 2022 – Feb. 2025

- Vice-Chancellor Award Recipient
- Dean's List Award Recipient x4
- Vice-President of Computer Science Association

PROFESSIONAL EXPERIENCE

Game Developer and Business Analyst Intern

Sep. 2024 – Feb. 2025

Petroleum Nasional Berhad (PETRONAS)

KLCC, Kuala Lumpur

- Developed 3 educational 2D games in GameMaker Language under Agile methodology, collaborating with SMEs across 5+ departments, deploying games PETRONAS-wide via intranet and events.
- Launched GBOX "BrickMaster – Level 1", showcased at Malaysia LNG Open Day and promoted to 40,000+ staff across subsidiaries, raising awareness of operational excellence.
- Delivered safety and sustainability games (Zero Tolerance Rule, Net Zero Carbon 2025) used in HSE training for 1,000+ employees and featured at the PETRONAS Sustainability Summit with 500+ attendees including Vice Presidents.
- Conducted weekly research on 10+ local SMEs in Oil & Gas technology, presenting findings to management to identify new vendors for pitching opportunities.
- Supported organisational operations by serving as secretariat for 2 business committees and managing divisional intranet/quarterly ETL processes, improving data accessibility for GBOX Staff.

PROJECTS

Flexpert | HTML, CSS, Google AI Studio, JavaScript

2026

- Developed a forward-chaining inference engine to generate customized workout plans based on 7 user inputs and a knowledge base of 50+ exercises.
- Engineered a priority-based rule hierarchy (Safety - Strategy - Equipment) to ensure medical constraints automatically override fitness goals for user safety.
- Integrated Google Gemini API to provide conversational follow-up support, bridging traditional rule-based AI with modern Large Language Models.
- Implemented transparent reasoning modules that explain the "why" behind specific recommendations, increasing user trust and educational value.

ProScale: Intelligent Server Autoscaling System | HTML, JavaScript, CSS, Fuzzy Logic

2026

- Developed a Fuzzy Logic Control System to manage cloud server scaling by evaluating 4 real-time metrics (Traffic, CPU, RAM, and Latency) across 36 distinct heuristic rules.
- Engineered an Inference Engine using Forward-Chaining and Centroid of Area (CoA) defuzzification to handle "gray area" system states where binary thresholds often fail.
- Implemented a Rule Priority Matrix to mitigate "flapping" (rapid up/down scaling), optimizing cloud resource utilization and reducing potential over-provisioning costs.
- Designed a high-fidelity interactive dashboard featuring custom-built canvas plotters to visualize Membership Functions and real-time decision-making logic.

CERTIFICATIONS & TECHNICAL SKILLS

Certifications: Google Data Analytics, Microsoft Azure AI Apps and Agent Developer Associate

Languages & Tools: Python, R Studio, SQL (Oracle, PostgreSQL), Java, C++, JavaScript, Excel, Power BI

Libraries & Cloud: pandas, NumPy, Matplotlib, Azure, Google Cloud Platform (GCP), Docker, Git/GitHub