
MUHAMMAD TAREQ ADAM BIN ELLIAS

AI & ROBOTICS ENGINEER | FULL-STACK DEVELOPER

Petaling Jaya, 1047810 ♦ +6012-9218586 ♦ tareqadam2002@gmail.com

PROFESSIONAL SUMMARY

AI & Robotics Engineer and Full-Stack Developer with international competitive distinction and production-level software engineering experience. Represented Malaysia at RoboCup APAC 2025 (3rd Place) and led the development of a national championship autonomous service robot (1st Place, RoboCup Malaysia 2025). Experienced in designing end-to-end AI systems, computer vision pipelines, and scalable Django architectures, complemented by modern frontend development using React and Vite.

WEBSITES, PORTFOLIOS, PROFILES

- [linkedin.com/in/muhammad-tareq-adam-ellias-780274260](https://www.linkedin.com/in/muhammad-tareq-adam-ellias-780274260)
- github.com/Tareq0267
- <https://tareq0267.github.io/>

TECHNICAL SKILLS

- Programming: Python, Java, C, JavaScript
- API integration
- Git version control
- AI & Machine Learning: TensorFlow, Deep Learning, NLP, Statistical Modeling, R
- HTML expertise
- Django framework
- CSS proficiency
- RESTfull API development
- Progressive web apps, vite, vercel
- Computer Vision & Robotics: OpenCV, YOLOv5, ROS, Autonomous Navigation, Motion Planning, Inverse Kinematics
- Responsive web design

EXPERIENCE

Full-Stack Developer, 05/2025 - Current

Intekma Sdn. Bhd. – Kota Damansara, Selangor

- Develop and maintain production-grade internal platforms using Django and Django REST Framework.
- Design scalable RESTful APIs enabling clean frontend-backend separation and modular system architecture.
- Implement secure authentication workflows and improve backend reliability through structured validation and testing.
- Collaborate within agile sprint cycles across cross-functional engineering teams.

Makerspace Helper, 01/2025 - 05/2025

University of Malaya – Kuala Lumpur, Kuala Lumpur

- Mentored students in 3D printing, hardware prototyping, Arduino, and Raspberry Pi systems.
- Conducted workshops on hardware-software integration and digital fabrication.
- Followed supervisor instructions to complete tasks on time.

Software Development Intern, 06/2023 - 12/2023

Intekma Sdn. Bhd. – Petaling Jaya, Selangor

- Contributed to full-stack web application development using Django and REST APIs.

- Assisted in frontend and backend feature development for enterprise systems.
- Supported implementation of secure authentication and structured API integrations.

EDUCATION

Bachelor of Computer Science: Artificial Intelligence, 12/2025

University of Malaya - Kuala Lumpur

- Dean's List — 3 Semesters
- GPA: 3.72 / 4.00
- Degree Pass With Honors
- [Yayasan Bank rakyat](#), 2021 from Bank Kerjasama Rakyat

LANGUAGES

Malay (Native)

English (Fluent)

AWARDS

RoboCup Malaysia 2025 — 1st Place (@Home Category), RoboCup Asia-Pacific 2025 — 3rd Place (Humanoid Soccer, Abu Dhabi)