

Moaaz Khamis

mouazkhamis@gmail.com • 011-3721-0528 • [LinkedIn](#) • [Github](#) • [Portfolio](#)

OVERVIEW

Passionate and hands-on software engineering student with strong experience leading technical projects and building full-stack web and mobile applications. Proven ability to architect systems, write clean code, and collaborate effectively within development teams. Seeking internships or entry-level roles to apply and grow software engineering and database management skills.

EDUCATION

Universiti Malaya

Expected Graduation, March 2028

Bachelor in Computer Science (Software Engineering) | CGPA : 3.00/4.00

Relevant Courses: Object-Oriented Programming, Mobile Application Development, Data Structures, Algorithms, Machine Learning, Python For Scientific Programming, Network Technology Foundation, Databases, Software Modeling, Web Programming.

TECHNICAL SKILLS

Languages & Frameworks: Java Programming, Python for Data Science, MySQL & SQL Queries, HTML, CSS, JavaScript, TypeScript, Dart, React.js, Next.js, Flutter, FastAPI, Node.js, PostgreSQL.

Tools: VSCode, Visual Studio 2022, Android Studio, Google Colab, Git, Claude Code, Firebase, Supabase, Sanity CMS, Antigravity, Jupyter Notebook.

PROJECTS

Tech Lead | (UMISA) | Next.js, Sanity, Supabase

2026

- Architected and built the official [umisa.net](#) platform from the ground up, serving as the core full-stack developer.
- Managed and led a small team of developers and a designer to successfully deliver the project.
- Developed the front-end and back-end utilizing Next.js, integrated a Sanity CMS for dynamic content management, and deployed the database using Supabase.

Trinity Fitness Coaching(Front end) | Flutter

2025

- Developing the dedicated, coach-facing mobile application for a dual-interface fitness platform utilizing Flutter.
- Integrating the mobile application with a central FastAPI and PostgreSQL backend to ensure seamless data synchronization between coaches and clients.

ML Lead | Letterboxd Roaster | Python, FastAPI, React, Scikit-Surprise

2026

Architected and led a full-stack hybrid movie recommendation system, managing a team across ML, backend, and frontend workstreams.

- Engineered a two-stage pipeline combining Content-Based Filtering (cosine similarity over TMDB metadata) and Collaborative Filtering (SVD on MovieLens 25M), served via a FastAPI backend and React frontend.
- Integrated the Gemini API with persona-driven prompt engineering to generate Letterboxd-style "roast" explanations per recommendation, fulfilling the project's XAI requirement.