

Mohamed Helal

Software Developer

Mohamed is a computer science graduate in **July 2025** from Monash University Malaysia. He completed his final year project on **storage optimization** with a **distinction grade of 70+%**. Mohamed is seeking a job to develop his skills and launch his career in software development fields.

Contact

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Profiles

- <https://mohamedcs12.github.io/portfolio/>
- <https://www.linkedin.com/in/mohamed-helal-071718228/>
- <https://github.com/MohamedCS12>

Skills

- Java, Python, C++,
- SQL, PHP
- Mobile Development
- Linux
- UI/UX

AI/ML

- Fine-Tuning LLMs
- RAG Pipelines
- Training GPT Models for NLP tasks
- Groq & OpenAI LLMs

Work History

2024-11 -
2025-04
(6 Months)

Software Developer Intern

Selangor Human Resource Development Centre, SHRDC, Shah Alam, Selangor

- Deployed and containerized **Fleetbase** logistics software using **Docker** and **AWS EC2**. Integrated **Google Maps** and **Twilio** APIs for real-time tracking and notifications.
- Worked on mobile app development with **Android Studio** Native, linking it to backend services.
- Built AI chatbot systems using **Dify**, **AnythingLLM**, and implemented Retrieval Augmented Generation (RAG).
- Researched and compared automation tools like **Lang Flow** and **n8n** for workflow optimization.

2023-11 -
2024-02
(3 Months)

Software Engineering Intern

DYODD SDN Bhd, Selangor

- Built chatbots and AI agents using LLMs to automate customer interactions.
- Fine-tuned GPT-based models for improved task-specific performance.
- Extended features in Salesforce's sales system, enhancing internal workflows.
- Gained hands-on experience across the software development lifecycle in an agile team.

Education

2023-02 -
2024-10

Bachelor of Science: Computer Science

Monash University Malaysia – Selangor

2020-09
2022-09

Bachelor of Science: Computer Science

University of Nottingham Malaysia Selangor
(Transferred to complete Bachelor's at Monash)

2017-09
2020-06

High School: A-Levels

Noor British International School – Cairo



Softwares

- Android Studio
- Visual Studio Code
- MySQL, Laravel
- Docker
- Google Cloud & AWS
- Figma UI Design
- GitHub & GitLab
- Sales Forces
- Ubuntu



Languages

- Arabic
- English
- German
- French



Project

1. Android Application (workout exercises with no equipment)

Android Studio, Java, XML, and Firebase.

A group project, where I specified the requirements, designed UI components, and implemented features (tracking progress, rewards, workout difficulties, and milestones).

2. Fine-Tune OpenAI Large Language Models

Python was used through Visual Studio Code with the OpenAI API. An AI

model was used as a website chatbot to handle customer inquiries.

3. Fleet Base Local Hosting and Development

Docker, Linux Shell, Google Maps API, Postman.

Configured Fleet Base locally using Docker, a logistics management and e-commerce platform and added Google Maps API for driver and order tracking. Integrate the local host dashboard to the Android application **The Navigator**. Additionally, I implemented and hosted the Storefront Application, utilizing its source code to provide clients with an online shopping interface.

4. AI Chatbot for Strata Management Act 2013 Rules (Python)

A set of Malaysian laws was used to maintain and manage buildings, common property, and related matters. Python through Visual Studio Code was integrated with Facebook Messenger.

5. Sales Force Production System New Features

APEX Code was used with triggers to deploy flows based on specific actions. Added a new button for cloning any existing record. A follow-up email is to be sent to the customers to check the quality of the service.

6. Developed a Security Reporting System

Utilized App scripts, Google tools (i.e., sheets, forms), and webhooks through Zapier. These were linked to WhatsApp. Additionally, JavaScript and SQL were employed.

7. Created Automation Using AI Software (Task Magic)

A Facebook group is automatically created after submitting a Google form, including group name, image, visibility, members, etc.