

M. TAREK HAMWI

Email: tareqhamwi2004@hotmail.com |

Contact Number: +601158632412 |

LinkedIn: [Click Here](#) |

Portfolio: <https://tarek-h1.github.io/Portfolio/>

SUMMARY

I'm a Software Engineering student at APU with experience in R&D and e-commerce, where I contributed to system design and web development. I earned 2nd place in the Joget NextGen Hackathon 2024 and am passionate about learning React, Node.js, and improving my skills in scalable system design and team collaboration.

WORK EXPERIENCE

Research and Development Team (R&D)

2024-2025

Centre of Technology & Innovation - APU | Kuala Lumpur, Malaysia

- Contributed to designing and developing a centralized student management system.
- Collaborated with cross-functional teams to ensure the system's scalability and efficiency.
- Served as Scrum Master, overseeing project progress and facilitating team collaboration.

E-commerce

2022 – 2023

Ck Decor | Malaysia-Kota Bharu

- Built and enhanced the company's online profile on Shopee and Lazada.
 - Created targeted advertisements for Facebook and Instagram to boost brand visibility.
 - Assisted in developing the company's website, gaining hands-on experience in web design
-

EDUCATION

BSc (Hons) in Software Engineering

2023 –

Asia Pacific University (APU) | Malaysia- Bukit Jalil

- Expected Graduation: 2026
- Current CGPA :3.56

FOUNDATION

2022 – 2023

MAHSA University | Malaysia- Suajana Putra

- Qualification: Foundation In Science
- CGPA: 3.53

IGCSE – High school

2019 – 2021

Wadi Sofia School | Malaysia-Kota Bharu

- A*: Mathematics, Chemistry, Physics, Arabic
 - A: Information and Communication Technology (ICT), Additional Mathematics, Biology
 - B: English as a Second Language
-

PROJECTS

Integrated Info System (IIS) (HTML, CSS, JavaScript)

Using HTML, CSS, JavaScript

- Contributed as part of the developer team to build a centralized academic workflow system integrating platforms like iSmart, APTime, GIMS, Moodle, and Exam Scheduling tools.
- Helped implement automation features to reduce manual data entry, minimize human error, and improve tracking of academic processes.
- Supported the digitization of key academic operations such as class scheduling, lecturer allocation, and assessment tracking alongside APU CTI's R&D team.

Concurrent Airport Simulation (Java, Concurrency Concepts)

Using Java Language

- Designed and developed a system to simulate airport operations, incorporating concurrency concepts like semaphores and thread synchronization.
- Implemented emergency landing priority, exclusive refueling, and safety checks.

Procurement Order Tracking System (POTS)

Using Java Language

- Developed a desktop application to streamline procurement tracking
- Implemented real-time status updates, and search filters.
- Helped improve operational efficiency and reduce delays in item processing.

Delicious Restaurant Management System (DRMS)

Using C# Language

- Contributed to the development of a restaurant management system allowing admins, managers, chefs, and customers to manage users, reservations, and orders.
- Implemented object-oriented concepts such as classes, methods, and objects for various user roles.
- Utilized Microsoft SQL Server to store and manage data for menu categories, reservations, and user profiles.
- Developed a secure login feature with role-based redirection and access control for different system functionalities.
- Ensured the system supports reservation management, order tracking, and menu updates, contributing to smoother restaurant operations.

Khatm Al-Quran Mobile App

Using Flutter & Dart Language

- Developed a simple app to automate item tracking and distribution for Quran completion (Khatm) within a community group.
- Implemented features to log which Juz' each person received and display what remains.
- Streamlined coordination by replacing manual messaging with an organized, user-friendly interface.

SKILLS

- **Programming Languages:** Python, Java, HTML, CSS, JavaScript, C++, C#, Flutter, Dart, R, SQL.
- **Web Development:** React, Node.js (currently learning)
- **Tools & Technologies:** API Integration, Figma, Canva, Microsoft Office, Jira
- **Additional Skills:** Scrum Master, Agile Methodology, Team Collaboration, UI/UX Design

ACHIEVEMENTS

Joget NextGen Hackathon 2024

No-code / Low-code Hackathon | Oct 2024 - Nov 2024

- **2nd Place:** Developed an innovative machinery management application using Joget DX 8 and related technologies.
- Participated in a team of 4, addressing efficient machinery maintenance with a no-code/low-code solution.
- Developed custom UI components using custom HTML within the Joget environment to provide a user-friendly interface for machinery data and maintenance scheduling.
- Demonstrated proficiency in Joget DX 8, JavaScript, HTML, SQL, and collaborative hackathon skills.

Valedictorian - IGCSE Graduating Class

Wadi Sofia School, 2021

- Awarded Valedictorian for outstanding academic performance, ranking at the top of the graduating class.
- Excelled in key subjects including Mathematics, Chemistry, and Physics, achieving top grades and showing exceptional dedication to academic excellence.