

# M. TAREK HAMWI

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## 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.

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## 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

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## 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

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## 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.

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## 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

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## 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.