

MUHAMMAD ADHAM BIN MOHD NIZAM

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PROFESSIONAL SUMMARY

Versatile and results-oriented software engineer with expertise in full-stack development, debugging, and user experience design. Proficient in a wide range of tools and frameworks, including Figma, Laravel, PHP, ReactJS, React Native, Java, SQL, Firebase, and Flutter. Demonstrates strong leadership abilities through managing team projects and delivering solutions under tight deadlines. Skilled at leveraging technical expertise and problem-solving capabilities to create user-centric applications.

EDUCATION

Universiti Pendidikan Sultan Idris (UPSI)

Oct 2021 – Nov 2025

Bachelor of Software Engineering (Education Software)

- **Coursework:**
Software Development, Computer Network, Data Structures, System Analysis and Design, Database Systems, Web Development, Object-Oriented Programming (OOP)
- **Final Year Project:**
Mir-AI: AI-Driven Learning Style Personalisation for Secondary School Students Using Classification Technique. Developed a web-based system leveraging AI-driven classification techniques to analyse and personalise learning styles for secondary school students.

SKILLS

- **Programming Languages:** PHP, Java, SQL, Dart, HTML/CSS, JavaScript
- **Frameworks and Libraries:** ReactJS, React Native, Laravel, Flutter
- **Web and App Development:** Expo, Firebase
- **Content Management System:** Liferay, Kentico
- **Tools:** Figma, Google Colab, VS Code, Laragon, Lottie
- **Database:** MySQL, Supabase(Postgresql), Firebase
- **System Maintenance:** Debugging, UI Enhancement
- **Other:** Leadership, Event Management, Team Collaboration, Stakeholder Communication

EXTRACURRICULAR ACTIVITIES

President for Sahabat Alumni Mahasiswa UPSI

July 2023 – July 2024

- Recognized as a **finalist for the Anugerah Keterampilan Pelajar (AKP) 2024** for exceptional volunteering program and contributions.

WORK EXPERIENCE

Trainee Web Developer – Webse Sdn Bhd, Cheras

Feb 2025 – Aug 2025

- Learned and utilized **Liferay** and **Kentico CMS** for web development.
- Maintained client websites to ensure functionality and consistency.
- Developed templates for an internal intranet system, enhancing employee access to key resources and announcements.

Edu@Innovate 2023 team system – EvaXpert Team, Perak

Aug 2023 – Nov 2023

- Managed the registration process for participants to ensure accurate and seamless onboarding.
- Collaborated with the jury to calculate and finalize results efficiently and accurately.
- Ensured the system's readiness and reliability throughout the event.

Technology and Research Exhibition UNIMAP – EvaXpert Team, Perak

Aug 2023

- Verified the validity of participation products within the system to uphold event standards.
- Managed the registration process, ensuring accurate participant onboarding.
- Maintained system functionality and integrity throughout the event.

VOLUNTEERING

9th Ie-RIICH 2024, Member of judging system – EvaXpert Team, Perak

Jan 2024 – Feb 2024

- Prepare the evaluation system for 9th Ie-RIICH events to ensure smooth functionality.
- Collaborated with the jury to calculate and finalize results efficiently and accurately.

8th Ie-RIICH 2024, Leader of judging system – EvaXpert Team, Perak

Jun 2023 – July 2023

- Prepare the evaluation system for 8th Ie-RIICH events to ensure smooth functionality.
- Enhance the user interface (UI) to improve user experience and engagement.

PROJECTS

MediMate – KitaHack 2025 Competiton **Feb 2025 – May 2025**

- Participated in the KitaHack 2025 competition with an AI-powered health assistant app.
- Features include OCR-based document simplification, vocal biomarker analysis, and symptom checking.
- Tech Stack: Flutter, Firebase, Google ML Kit, Gemini API, TensorFlow Lite, Google Colab

React Native App:

- **Mobile App: Cell Studio** – Cikgu Hamizah Mohammad Amir, Perak **Feb 2024 – July 2024**
 - Collaborated as the app developer in a team project using **React Native**, **Expo**, and **Lottie**.
 - Focused on teaching cell division to Form 4 biology students.
 - Key features include:
 - Caching user names for first-time use.
 - Audio and video learning via YouTube.
 - Interactive quizzes (true/false) and fill-in-the-blank exercises with drag-and-drop functionality.
- **Mobile App: Dental Care** – Nisa Bariah Binti Rayner, UPSI **Feb 2024 – July 2024**
 - Developed a Dental Care App as a paid project for a UPSI student.
 - Utilized **React Native**, **Expo**, and **Lottie** to create a user-friendly interface.
 - Implemented **Firebase** for secure user authentication.

Inventory Management System:

- **Inventory Management System** – Masjid Jamek, Perak **Oct 2024 – Feb 2025**
 - Developed an Inventory Management System for Masjid Jamek using **Laravel** and implemented **Supabase** for data storage.
 - Contributed technical expertise to streamline inventory processes and improve efficiency.
- **Smart Stock System** – Dr. Harnani binti Mat Zin, UPSI **Nov 2023 – Feb 2024**
 - Designed and developed an inventory management system tailored for managing Masjid assets.
 - An academic project during Semester 5 using **PHP** and **SQL**.
 - Focused on efficient asset tracking and management.

Kit Media: Kiddie App – Dr. Nor Farhah binti Saidin, UPSI **Nov 2023 – Feb 2024**

- Developed as my first mobile application and final assessment for a course using **Flutter (Dart)**.
- Designed to assist science computer students with features such as:
 - Comprehensive learning materials.
 - Video lessons for enhanced understanding.
 - A unique quiz-based "story game" to reinforce learning.

Homestay Booking System– Profesor Madya Dr. Hafizul Fahri, UPSI **Nov 2022 – Feb 2023**

- Developed a Homestay Booking System using **Java** for final assessment in Semester 3.
- Implemented CRUD functionality with data storage to files for efficient management of booking records.

ACHIEVEMENTS

Mir-AI: AI-Driven Learning Style Personalisation – EduInnovate 2025

- Won Silver Award in Category A (Academics, Professionals, Industry Players).
- Commended for its real-world application and potential in enhancing curriculum delivery.

Mir-AI: AI-Driven Learning Style Personalisation – 11th Ie-RIICH 2024

- Recognised for the innovative AI-driven approach to learning style personalisation.
- Awarded
 - IEEE SMC Award
 - Best Development Product
 - Best Programme Special Award (AC10)
 - Gold Award.

ADDITIONAL INFORMATION

- **Languages:**
 - **Fluent:** English, Bahasa Melayu
 - **Basic:** Japanese (Completed Stage 1 for communication in Japanese language courses)
 - **Mandarin:** Ongoing classes at Kunkwan International Mandarin Training Centre, enhancing language proficiency for professional and personal development.
- **References:** Available upon request