

MUHAMMAD AMIR HAMZAH BIN ABD AZIZ

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Personal Statement

Detail-oriented graduate with 6 months of hands-on experience as an Android developer intern and foundational knowledge in data warehousing, SQL, and PL/SQL. Completed university projects involving data modeling, data visualisations, database management, and PL/SQL programming, gaining practical experience in ETL techniques and relational database design.

Education

Bachelor in Information Technology in Business Intelligence and Analytics, 2020-2024,
International Islamic University Malaysia (IIUM), Kuala Lumpur.
CGPA:3.73/4.00

Working Experiences

Android Programmer (Internship), WAHDAH Technologies, Ayer Keroh Melaka, March–August 2024. (6 months)

- **Assisted** in the development of a key feature for the **company's Android application**, DRIVE, enabling users to order batteries directly through the app.
- Developed user interfaces by utilizing **Android's XML-based layout structures** within various ViewGroups, including LinearLayout and ConstraintLayout.
- Gained hands-on experience with **REST API** integration, implementing it within the DRIVE application to enhance app functionality.
- Applied **Kotlin language and explored Android SDK** components such as fragments, adapters, RecyclerView, and interfaces during code execution.
- Worked within the **MVVM architecture**, contributing to better code maintainability and separation of concerns within the DRIVE application.
- Integrated **Google Maps API** to display user locations and improve the user experience with location-based services.
- Participated in bug fixing, API testing using Postman, and assisted in pushing app updates to Google Play Store under the guidance of senior programmers.

Project Involved / Completed

Final Year Project, SwitchAR, AR Virtual Switch Control For IoT-Based Smart Home Automation 2024.

- A partnered Final Year Project aimed at helping the elderly become more independent with home appliances. Proposed and developed a mobile application using **Flutter** and **Unity** application that incorporates **IoT** and **AR** concepts, resulting in an innovative solution that provided the elderly with an intuitive and interactive way to control and interact with home appliances.

Database Programming Project, IIUM e-Summons system (PL/SQL). 2023

- Developed a database system for managing student summons and fines using **PL/SQL** on Oracle.
- Designed an **Entity Relationship Diagram (ERD)** and implemented normalized tables for efficient data management.
- Wrote complex SQL queries for data retrieval, updates, and deletions, including joins, procedures, and functions.
- Created stored procedures to calculate fines and display offense details dynamically.
- Ensured data consistency through constraints like Primary Keys and Foreign Keys while integrating multiple tables.

Activities and Involvement

- Hackathon MAP2U X USIM 2024, State Level, Participation, February 2024.
- Innovatex: Innovative Tech Expo 2024, University Level, Participation, January 2024.
- Multimedia Editor, Feast & Fun: Outreach For Underprivileged Children, Volunteering, IIUM, Jun 2023
- Preparation and Technical, Student Ambassadors, KPMG Malaysia, January 2023 - December 2023.

Achievements

- Malaysia Data Innovation Talent 2023, National Level, Top 50 among 120 groups, October 2023.
- Dean list award recipient (8 out of 8 semesters), 2020-2024.

Certificate

Postman API Fundamentals Student Expert, Jun 2024, Postman, Online course.

- Hands-on certification covering API fundamentals, Postman usage for GET/POST/PATCH/DELETE requests, query parameters, response codes, basic scripting, API Key Authorization, and integrating APIs into applications.

Skills

- **IT Proficiency** Microsoft Office, Visual Studio Code, Microsoft SQL Server, Firebase
- **Programming** Dart, Kotlin, C++, Java, Javascript, PHP, HTML, CSS, SQL
- **Version Control** Git, Github, GitBash
- **Data Visualisation** Tableau, Power BI, Excel
- **Language Proficiency** Bahasa Malaysia(Native), English (Intermediate), Arabic(Beginner)

References

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