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 business intelligence and analytics concepts. An active learner that loves to explore the field of data analytics as well as data-driven projects.

Education

Bachelor in Information Technology in Business Intelligence and Analytics (Honours), 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.

Crime Analysis in Malaysia, Tableau Visualisation Project. 2023
- Developed an interactive Tableau dashboard to visualize crime trends in Malaysia using datasets from the OpenDOSM website.
- Designed time-series graphs and geographical heatmaps to highlight crime rates over time and across regions.
- Implemented filters for year, month, and crime type to enable dynamic exploration of data.
- Emphasized storytelling elements by breaking down crime rates into categories and identifying high-crime areas with color intensity.

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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