Ashrakat Samaha
Android Developer

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Summary

Motivated Junior Android Developer skilled in Kotlin and Java, specializing in intuitive, high-performance applications. Skilled in tools like Retrofit, Room, and Jetpack Compose, driven by a passion for innovative mobile solutions.

EDUCATION   Oct 2020 - Jul 2024

Bachelor of degree in Computer Science and Information Technology
Department: Information Technology (IT)
GPA: 3.240
Grade: Very Good

Experience   Aug 2022 – Oct 2022

Android Developer Internship Information   Mansoura – Egypt
Technology Institute (ITI) (3 Months)

- Participated in a rigorous training program that covered various topics related to Android development using Java and Kotlin.
- Developed a comprehensive understanding of Android application architecture, UI/UX design, mobile databases, and other related topics.
- Developed an e-commerce application "Drug Store" for online pharmacy sales, enabling users to browse andpurchase
- pharmaceutical products conveniently and securely.
- Learned best practices for code optimization, testing, and debugging to ensure application quality and stability.
- Successfully completed the internship program with excellent feedback from the trainers and colleagues, and received a certificate
- of completion for demonstrating proficiency in Android development.

Technical Skills

- **Android Development:** Android SDK, Android Studio, Jetpack Compose, Gradle
- **Programming Languages:** Java, Kotlin
- **Version Control:** Git, GitHub
- **Software Design Principles and Patterns:** SOLID Principles & OOP
- **Backend Integration:** Firebase, Retrofit, JSON, RESTful APIs
- **Data Management:** SQLite, Room, Shared Preferences, Internal & External Storage
- **Architectural Patterns:** MVC, MVP, MVVM
- **Methodologies:** Agile
- **Tools:** Figma & XML

PROJECTS

Achroma Lens   Jun 2024 – Jul 2024

- Developed an Android application "AchromaLens" designed to assist users with color blindness in identifying colors accurately using real-time camera technology.
- Implemented real-time color detection through the device's camera to provide users with immediate feedback on color information.
- Developed a feature to allow users to adjust color filters to suit their specific type of color blindness, enhancing user accessibility and experience.
- Added a functionality that offers detailed color descriptions and contrast suggestions to improve color perception in everyday tasks.
- Integrated Gemini technology for high-precision color identification and accuracy.
- AchromaLens aims to improve the quality of life for people with color blindness through innovative mobile solutions.

                                                                         Nov 2023 - May 2024

- Developed an Android application "Craftsmen" that connects users with a wide range of skilled professionals, making it easy for users to find and hire craftsmen for various services.
- Implemented a search and filtering feature, allowing users to find craftsmen based on price, location, profession, and availability
- Enabled users to sort craftsmen by highest ratings, ensuring they find the best professionals for their needs.
- Developed a feature for craftsmen to create detailed profiles, listing their services, availability, and contact information, facilitating job opportunities for them.
- Integrated a user-friendly interface where users can easily communicate with craftsmen and request services.

News   Oct 2023

- Developed an Android news application that aggregates the latest news from multiple sources, offering users a seamless and personalized news experience.
- Implemented a feature that enables users to search about news by categories such as politics, sports, and technology, providing a customized news feed.
- Integrated real-time updates to ensure users stay informed with the most current events, and implemented push notifications for breaking news.
- Developed a bookmarking feature allowing users to save articles for offline reading.
- Added functionality for users to share news articles directly via social media platforms or messaging apps.
- Utilized Kotlin, Android SDK, Retrofit, MVVM, and Navigation components to build a fast and efficient application that ensures an optimal user experience.