

ISMA IQBAL

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Android Developer | Mobile App Engineer | Java Developer

PROFESSIONAL SUMMARY

Detail-oriented Android Developer with strong proficiency in Java, mobile app architecture, and UI/UX implementation using Android Studio. Experienced in building accessible, user-centric applications with Firebase, API integration, XML layouts, and modern Material Design practices. Adept at solving complex technical problems, optimizing app performance, and collaborating in Agile environments. Passionate about scalable mobile solutions, clean code, and continuous learning in modern Android frameworks.

TECHNICAL SKILLS

Programming: Java, OOP, XML, HTML, CSS, Visual Basic, C++ (Dev C++)

Mobile Development: Android Studio, Activity/Fragment lifecycle, UI layouts, Material Design, Custom Views

Databases & Cloud: Firebase Authentication, Firebase Realtime Database, Firestore

Tools & Platforms: Git/GitHub, MS Office, Debugging Tools, Emulator Testing

Core Competencies: UI/UX Design, API Integration, Accessibility Features, Real-time Messaging, Problem-Solving, Code Optimization, Software Documentation

EDUCATION

Bachelor of Science in Computer Science

2020 - 2024

Government College University Faisalabad Pakistan

PROJECTS

Android Communication App for Students with Disabilities

September 2023 – October 2024

Java | Android Studio | Firebase | XML | Accessibility Engineering

- Developed an innovative accessibility-driven Android app to support deaf, blind, and mute students in communication and navigation within educational environments.
 - Implemented voice commands, vibration feedback, gesture controls, and other adaptive features to support diverse disabilities.
 - Designed modern, responsive UI screens using XML aligned with Material Design Guidelines.
 - Integrated Firebase for data handling and secure user interactions.
 - Conducted usability testing with real students, improving workflow and accessibility performance by incorporating user feedback.
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ADDITIONAL AND SEMESTER PROJECTS

Calculator Mobile Application (Android)

- Built a lightweight calculator app enabling basic mathematical operations with live output.
- Implemented clean UI components and instant result rendering for improved user interaction.

Real-Time Chat App (Firebase-based)

- Built secure user login/registration using Firebase Authentication (Email/Password).
 - Developed real-time messaging through Firebase Realtime Database / Firestore.
 - Implemented RecyclerView, clean message layouts, timestamps, and unique user management.
 - Ensured full responsiveness across multiple device sizes.
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TEACHING & EXTRACURRICULAR EXPERIENCE

Instructor — Daffodils Rawalpindi Campus

2017-2018

- Taught foundational computing skills including typing, Internet safety, and MS Office (Word, Excel, PowerPoint).

- Introduced students to coding basics and mathematical problem-solving using interactive activities.

Instructor — Dar-e-Arqam School I/8 Campus

2018 - 2020

- Delivered lessons on MS Office, database fundamentals, algorithms, and safe online practices.
- Reinforced mathematical skills including algebra, geometry, and trigonometry.

Instructor — Islamabad Grammar School I/8 Campus

2021 - 2023

- Taught advanced computing topics: Data Structures, C++, DBMS, Networking, and Algorithms.
- Provided instruction in advanced mathematics including trigonometry, coordinate geometry, and applied math.