SANA MEHBOOB
ASPIRING ANDROID DEVELOPER | BSIT GRADUATE
Lahore, Punjab, Pakistan | +923008884224 | +923008884576
EMAIL: sanasippra0019@gmail.com
linkedin.com/in/sanamehboob19 | github.com/sana00199 | **PortFolio**: sana00199.github.io

SUMMARY
BSIT graduate with strong skills in Android development using Java. Experienced in full app lifecycle, from UI/UX to backend integration with Firebase and Room DB. Built and secured messaging apps with real-time features and end-to-end encryption. Passionate about mobile technology and eager to contribute to a dynamic dev team.

TECHNICAL SKILLS
- **Android Development:** Java, Kotlin (Basic), Android SDK, Android Studio, XML Layouts, Activities, Services, Local Notifications, MVVM, Room DB, Material Design
- **Backend & APIs:** Firebase (Authentication, Firestore, Realtime Database), RESTful APIs, Supabase
- **Security:** End-to-End Encryption (E2EE) with RSA & AES algorithms
- **Programming & Databases:** C++, C#, Python, SQL
- **Tools & Version Control:** Git, GitHub, VSCode, PyCharm, OneSignal
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Software Engineering Principles, Operating Systems

PROJECTS
CircleUp | Full-Stack Android Messaging Application | Final Year Project
Lahore, Pakistan | Dec 2024 - July 2025
- Developed a comprehensive, full-stack Android messaging application in Java using Android Studio, focusing on performance, security, and user experience.
- Implemented secure user authentication and real-time messaging features by integrating Firebase Authentication and Firestore.
- Designed and built a local data persistence layer using Room Database for offline access to messages and contacts, ensuring a seamless user experience.
- Engineered an End-to-End Encryption (E2EE) module using RSA and AES cryptographic algorithms to guarantee message privacy and security.
- Managed project versions and collaborated on code using Git and GitHub, adhering to best practices for source control.

Sana's Dev Hub - E-Learning Android Application | Java, Android Studio
Remote | May 2025
- Developed a multi-topic e-learning Android app in Java, serving as a centralized platform for CS&IT education.
- Designed an engaging UI using RecyclerView (GridLayout) and implemented intuitive navigation between multiple activities and fragments.
- Integrated a full-featured quiz module for knowledge testing and a resource hub linking to external materials (YouTube, Web, PDFs) via Intents and WebView.

EXPERIENCE
Online Tutor | Independent
Remote | May 2023 - Present
- Provide online instruction and mentorship to students in core programming concepts.
- Develop customized learning plans to help students achieve their academic and technical goals.

Peer Instructor | Class Representator
Educational / Mentorship | 2022 - 2025
- Acted as liaison between students and Head of Department to convey academic and administrative concerns.
- Supported departmental events and maintained effective communication between students and faculty.

EDUCATION
Bachelor of Science in Information Technology (BSIT)
University of the Punjab | Govt Graduate College Wahdat Colony, Lahore
October 2021 - July 2025
CGPA: 3.61 / 4.00

KEYACHIEVEMENTS
CircleUp Full-Stack Android Messaging Application . Successfully completed a full-stack messaging application with complex features including real-time databases and end-to-end encryption.