Abhishek Roushan

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Education

Chandigarh University, Bachelor of Science in Computer Science, CGPA – 7.5

- Relevant Coursework: Data Structures, Database Management, Operating Systems, Computer Networks

Experience

Softet Solutions – Android Developer Intern   Certificate

- Built scalable Android apps using Kotlin and Jetpack Compose with a focus on performance and modern UI design.
- Applied MVVM architecture and clean code principles to ensure maintainability, testing and scalability.
- Collaborated in Agile sprints and participated in code reviews for production-level features.

Infosys Springboard – Generative AI Intern (Hybrid)

- Working on **AudioBook Generator**, a web application that converts PDF, DOCX, and TXT documents into high-quality audiobooks.
- Leveraging Large Language Models (LLMs) to rewrite text in an engaging, listener-friendly "audiobook style."
- Implementing open-source Text-to-Speech (TTS) technology to produce downloadable audio files.

Projects

Hostel Online Exchange – Kotlin, Jetpack Compose, Firebase, MVVM   GitHub

- Developed an Android app for hostel residents to buy/sell/exchange items with Firebase Authentication and Firestore.
- Implemented Google Sign-In and MVVM architecture using Kotlin Coroutines and Flow.

AI-Powered Fingerprint Matcher App – Jetpack Compose, Retrofit, Python Flask   GitHub

- Built a forensic Android app for fingerprint capture, enhancement, and real-time matching with Flask backend.
- Integrated OpenCV for image processing and biometric authentication for secure investigations.

Technical Skills

Programming Languages: Kotlin, Java, C++, C , Python, SQL

Machine Learning / NLP: Natural Language Processing, Generative AI, LLMs, Deep Learning

Mobile Development: Jetpack Compose, Android SDK, XML, Kotlin Multiplatform (KMP)

Backend & APIs: Retrofit, Flask (Python), REST APIs

Databases: Firebase, Room Database, Supabase, MySQL

Operating Systems / Networking: Unix, Linux, TCP/IP, Distributed Systems

Tools & Platforms: Android Studio, VS Code, Git, GitHub, Figma

Achievements & Extracurricular

- Solved 340+ problems on LeetCode and 480+ on GeeksforGeeks, demonstrating strong problem-solving skills.
- Published IEEE research paper: *"Implementation of Models for Demand Forecasting for e-Commerce using Time Series Forecasting."*
- Contributed to **GirlScript Summer of Code (GSSOC '25)** as an Open Source Android Developer; implemented features for ShopSmart app using Kotlin and Jetpack Compose.