VIMAL CHAUDHARY

ANDROID DEVELOPER

CONTACT

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EDUCATION

2023 - 2026
SWAMI VIVEKANAND GROUP OF COLLEGES
- Bachelor of Computer Applications
  CGPA : 9.00 (expected)

2022 - 2023
JAWAHAR NAVODAYA VIDYALAYA,MOHALI
- 12th (70%) | 10th (92%) | CBSE

SKILLS

- **Generative AI** : RAG, Langchain, Vector DB, Chatbots, Pinecone
- **Languages :** Kotlin, Python, C++, Java, C, Sql
- **Android Development :** Jetpack Compose, XML, Room DB, SQLite, Retrofit, REST APIs
- **Architecture & DI :** MVVM, Hilt
- **Backend & Cloud :** Firebase
- **Tools & Methodologies :** Git, Github, SDLC

HACKATHONS

- **Team Leader,** CU Hackathon (2024)
- **Participant**, Naukri.com DSA Hackathon (2024)
- **Team Leader**, Smart India Hackathon (2024)
- **Participant,** Inter college hackathon

LANGUAGES

- English
- Hindi
- Punjabi

PROFILE SUMMARY

Results-oriented Android Developer skilled in Kotlin, Jetpack Compose, Firebase, and RoomDB. Experienced in building scalable apps with intuitive UI and seamless user experiences. Passionate about clean architecture and delivering user-focused mobile solutions.

PROJECTS

DSA Assistant App – AI-Powered DSA Practice Platform

- Designed and developed an Android application that enables smarter DSA practice through AI-powered question generation (Gemini API), topic & difficulty-based learning paths, and detailed solutions with hints. Integrated a real-time compiler (JDoodle API) supporting multiple languages and used Firebase Realtime Database for authentication, solution tracking, and persistence. Built with Kotlin, Jetpack Compose (Material 3), and MVVM architecture to ensure a modern UI, scalability, and clean code structure.

Recipe App - Your chef

- Developed an elegant Android application for browsing and searching recipes by categories such as Salad, Drinks, Desserts, and more. Implemented real-time search with TextWatcher, category-based filtering, and offline access using Room Database with preloaded SQLite assets. Designed a clean, user-friendly interface with XML layouts, ViewBinding, RecyclerView, and custom adapters for efficient list rendering. Ensured smooth upgrades with destructive migration fallback strategies.

EduBCA – Your BCA Study Companion

- Developed a modern Android app for BCA students to access semester-wise courses, subjects, and resources in one place. Built with Jetpack Compose and MVVM architecture using Hilt for scalability, the app integrates Firebase Realtime Database for book storage, retrieval, and downloads. Implemented Navigation Component for smooth transitions and reusable UI components, while organizing the code into data, domain, and presentation layers for clean architecture and maintainability.

Bharat Check – AI-Powered News Verification App

- Built an Android app to combat misinformation with real-time verification via text, links, images, and videos using an LLM model. Integrated NewsAPI, Firebase Authentication & Database, and designed a modern Jetpack Compose UI with personalized profiles.