Kavya Chaturvedi

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Summary

Software Developer with hands-on experience building and shipping production applications on Google Play Store. Proficient in Java, MVVM architecture, Firebase, and REST API integration, with a strong foundation in Data Structures and Algorithms (150+ LeetCode problems). Currently expanding backend expertise using Spring Boot to build full-stack applications.

Education

Pranveer Singh Institute of Technology, Kanpur	2023 – 2027
B.Tech in Computer Science and Engineering (Cyber Security)	CGPA: 8.97
Subhash Public Senior Secondary School, Kanpur (CBSE)	2023
Intermediate (PCM)	Percentage: 91.8%
Subhash Public Senior Secondary School, Kanpur (CBSE)	2021
High School	Percentage: 92.8%

Skills

Languages: Java, Python, SQL
Android & Mobile: Android SDK, XML, Material Design 3, MVVM, MPAndroidChart
Backend & APIs: Firebase (Authentication, Firestore, Hosting), REST API integration, Spring Boot
Databases: PostgreSQL, MySQL, Firestore
Tools & DevOps: Git, GitHub, Android Studio, ADB, AVD Emulator, Google Play Console
CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, Operating Systems

Projects

UniGo - Android App   Jan 2026 – March 2026
GitHub Repository   Play Store
Tech Stack: Java, Firebase • MVVM Architecture

- Developed a student companion app using MVVM and LiveData to manage attendance, notes, and timetables with Firestore-backed real-time synchronization.
- Implemented Repository pattern to abstract Firestore data layer, enforcing clean separation between UI and data layers.

The Ledger: Smart Expense Tracker   Aug 2025 – Oct 2025
GitHub Repository   Play Store
Tech Stack: Java, Firebase, MPAndroidChart

- Built a production-ready Android expense tracking application using Java, Firebase, and MVVM architecture.
- Implemented biometric authentication with PIN fallback, enforcing secure per-user data isolation, and visualized insights using MPAndroidChart.

Face Recognition Login System   Jan 2024 – Apr 2024
GitHub Repository
Tech Stack: Python, OpenCV, Flask, SQLite

- Contributed to building a dual-factor authentication system (face + password) using OpenCV & Flask; achieved 95% match accuracy via cosine similarity on facial embeddings.

Hackathons

HackwithUP 2025   Oct 2025
Project: Kisan Setu — Secured 4th place among 50+ teams

- Contributed to building a farmer-to-buyer platform using React and Firebase; explored deployment approaches.

Achievements & Certifications

- Published two Android applications on Google Play Store (The Ledger, UniGo).
- Secured 4th place at HackwithUP 2025 (50+ teams).
- Solved 150+ problems on LeetCode.
- Google Cloud Innovator Program badge.
- Fundamental Programming (Python, SQL, HTML5, CSS3) — Infosys Springboard.
- Problem Solving (Java, SQL) — HackerRank.