

Kavya Chaturvedi

Kanpur, Uttar Pradesh

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Summary

Software Developer with experience building and deploying production-ready Android applications on the Google Play Store. Skilled in Java, MVVM architecture, Firebase, and REST API integration, with a strong foundation in Data Structures and Algorithms (200+ problems solved). Currently building backend services using Spring Boot and exploring CI/CD pipelines to streamline development and deployment workflows.

Education

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| Pranveer Singh Institute of Technology, Kanpur | 2023 – 2027 |
| B.Tech in Computer Science and Engineering (Cyber Security) | Percentage: 88.57% |
| Subhash Public Senior Secondary School, Kanpur (CBSE) | 2023 |
| Intermediate (PCM) | Percentage: 91.8% |
| Subhash Public Senior Secondary School, Kanpur (CBSE) | 2021 |
| High School | Percentage: 92.16% |

Skills

Languages: Java, Python, SQL

Frontend: HTML, CSS

Android: Android SDK, MVVM Architecture, LiveData, Material Design 3

Backend & APIs: Spring Boot, RESTful APIs, Spring Security, JWT Authentication

Databases: PostgreSQL, MySQL, Firebase Firestore

DevOps: Docker, GitHub Actions (CI workflows)

Tools: Git, GitHub, Firebase, Android Studio, Google Play Console

Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems

Projects

Hospital Management System API Feb 2026 – Present

GitHub Repository

Java, Spring Boot, PostgreSQL, JWT, REST APIs, Docker

- Designed and implemented secure REST APIs using Spring Boot with JWT-based authentication and role-based access control (RBAC), enforcing secure access control for different user roles (patients, doctors, administrators).
- Structured the application using Controller–Service–Repository architecture with JPA/Hibernate, enabling modular design and efficient PostgreSQL data handling.

UniGo - Android App

Jan 2026 – Mar 2026

GitHub Repository Play Store

Java, Firebase, Cloudinary, Glide, GitHub Actions • MVVM

- Built and deployed a student companion app on Google Play Store enabling real-time synchronization of attendance, notes, and timetables using Firebase Firestore, currently used by 10+ users.
- Architected the app using MVVM, LiveData and Repository pattern to ensure scalable state management and maintainable codebase.

The Ledger: Smart Expense Tracker

Aug 2025 – Oct 2025

GitHub Repository Play Store

Java, Firebase, MPAndroidChart • MVVM

- Developed and deployed an Android expense tracking application using Java, Firebase, and MVVM architecture, published on Google Play Store with 40+ users.
- Integrated biometric authentication with PIN fallback, ensuring secure per-user data isolation and visualizing financial insights using MPAndroidChart.

Hackathons

HackwithUP 2025

Oct 2025

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

- Contributed to the development of 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).
- Solved 200+ problems on LeetCode.
- School Topper in Class 12 awarded by CBSE Regional Office.
- Fundamental Programming (Python, SQL, HTML5, CSS3) — Infosys Springboard.
- Problem Solving (Java, SQL) — HackerRank.