

NAVYA BANSAL

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Profile

B.Tech Information Technology graduate with software engineering experience contributing to production applications at Samsung R&D Institute Delhi. Skilled in software development, SQL, REST APIs, debugging, testing, and Git, with experience building and enhancing cross-platform applications. Strong foundation in Data Structures & Algorithms, DBMS, and Object-Oriented Programming, with a focus on developing reliable, user-centric software.

Experience

Samsung R&D Institute Delhi

Software Engineering Intern

New Delhi, India

Jan 2026 – Jul 2026

- Contributed to the global release of **Samsung Sound**, a Flutter-based application for configuring and managing Samsung Wi-Fi speakers and soundbars.
- Implemented end-to-end localization supporting **30+ global languages**, enabling a seamless multilingual user experience.
- Developed accessibility features using **Android TalkBack**, improving usability for visually impaired users.
- Integrated **Samsung Analytics** to track user interactions and application events, enabling data-driven product insights.
- Designed developer, functional, and UI test cases, identifying critical issues before production release.
- Collaborated with cross-functional Agile teams to deliver high-quality production-ready features.

Projects

MediVault – Smart Medical Record Platform

Tech Stack: Flutter, Dart, Riverpod, Isar, GoRouter

- Engineered an offline-first mobile application using Clean Architecture and the Repository Pattern to securely store and manage medical documents locally.
- Implemented state management and local persistence using Riverpod and Isar DB, enabling efficient offline access and document management.
- Built an end-to-end document processing pipeline to extract text from uploaded PDF medical reports and parse key metadata such as patient names and collection dates.
- Implemented full CRUD operations and local file management, allowing users to upload, search, filter, view, and delete medical reports.

BV Socio – Campus Management Portal

Tech Stack: Node.js, MongoDB, Socket.io

- Developed a role-based campus management portal with dedicated dashboards for students, faculty, and administrators.
- Implemented secure authentication using bcrypt and role-based authorization.
- Built a real-time notification system using Socket.io for instant updates.
- Designed and integrated RESTful APIs with MongoDB for efficient frontend-backend communication.

Education

Banasthali Vidyapith, Rajasthan

B.Tech in Information Technology

2022 – 2026

CGPA: **8.43 / 10**

Rainbow School, Saharanpur

Class XII (PCM): 92.2%

2021 – 2022

Class X: 96%

2019 – 2020

Technical Skills

Languages: C++, Java, JavaScript, Dart, SQL

Databases: MongoDB, Isar

Frameworks & Technologies: Flutter, Riverpod, Node.js, Express.js, Socket.io, REST APIs

Developer Tools: Git, GitHub, Android Studio, VS Code, Postman

Core Skills: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Operating Systems, Software Testing, Clean Architecture, Agile Development