Naveen Singh

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Education

VIT Bhopal University — 2022–2026
B.Tech in Computer Science — *CGPA: 8.62* — *Bhopal, MP*

Sunbeam School Varuna — 2021
Higher Secondary — *Percentage: 89.8%* — *Varanasi, UP*

Sunbeam School Varuna — 2019
Secondary — *Percentage: 91.8%* — *Varanasi, UP*

Skills

Programming Languages: Java, Kotlin, C++
Android Development: XML, Retrofit, Coroutines, MVVM, Dagger Hilt, Room, Firebase, API, MySQL
Tools & Platforms: Android Studio, IntelliJ IDEA, VS Code, Git/GitHub, Gradle, Firebase Console

Projects

Atmos Horizon | *Kotlin, Retrofit, API, View Binding* | Atmos Horizon (GitHub) — **August 2025**

- Engineered a full-featured Android application that consumes the OpenWeatherMap REST API to retrieve and present real-time meteorological data, including temperature, humidity, wind speed, and atmospheric pressure.
- Designed and implemented an adaptive user interface utilizing ConstraintLayout, featuring context-aware theming.
- Architected a robust city search functionality, enabling users to access worldwide weather data. Ensured a seamless user experience by efficiently handling network requests and potential errors.
- Championed modern standards by leveraging Kotlin coroutines for asynchronous API operations to maintain UI responsiveness and adopting View Binding to guarantee null safety and significantly improve code maintainability.

Journal App | *Kotlin, XML, Firebase, MVVM, Retrofit* | Journal App (GitHub) — **June 2025**

- Engineered a full-featured journaling application for Android supporting Create, Read, Update, and Delete (CRUD) operations on multimedia entries with real-time synchronization via Firebase Authentication and Cloud Firestore.
- Implemented a modern MVVM architecture with LiveData for improving code maintainability and app stability.
- Designed a responsive and intuitive user interface using ConstraintLayout, Fragments, and RecyclerView to ensure smooth navigation and an optimal user experience.
- Leveraged Retrofit and Kotlin Coroutines to handle asynchronous API calls and background tasks, ensuring efficient data processing and network operations.

MyNotes | *Kotlin, Room, MVVM, Jetpack Components* | Notes App (GitHub) — **May 2025**

- Engineered a note-taking application in Kotlin utilizing Room Persistence Library, enabling full CRUD operations on extensive offline note collections with dynamic categorization, robust search functionality, and timestamping.
- Architected the application using MVVM pattern with ViewModel, LiveData, and ViewModelFactory to create lifecycle-aware components that enhance testability, maintainability, and data consistency.
- Developed a comprehensive Data Access Object layer to optimize database interactions, ensuring efficient data operations and providing a foundation for scalable future enhancements.
- Designed an intuitive and responsive user interface following Material Design principles, guaranteeing consistent user experience across diverse Android devices and versions.

Co-curricular Activities

- Participated in a hackathon at VIT Bhopal; developed a 3D Volume Calculator Android app with dynamic input handling and an intuitive UI for efficient volume computation.
- Certified in Android Development – *The Complete Android 15 Course*, Udemy (2025)
- Core Member, IoT Club, VIT Bhopal – Built Android interfaces for IoT-based projects and collaborated on integrating mobile apps with sensor-driven hardware systems.

Extra-curricular Activities

- Badminton Aficionado – Actively participated in college-level tournaments at VIT Bhopal
- Gold Medalist – Roller Skating – Secured 1st place in Roller Skating Championship, Sunbeam School Varuna
- Tech Enthusiast – Interested in new technologies and gadgets; enjoy trying out the latest tools, apps, and devices to stay up-to-date with tech trends.