

# NAVEEN SINGH

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## EDUCATION

<b>B.Tech - Computer Science Engineering</b>	2022-2026
VIT Bhopal University, Bhopal, Madhya Pradesh	CGPA: 8.53
<b>Higher Secondary Education</b>	July 2021
Sunbeam School Varuna, Varanasi	89.8%
<b>Secondary Education</b>	May 2019
Sunbeam School Varuna, Varanasi	91.8%

## TECHNICAL SKILLS

**Programming Languages:** Java, Kotlin, C++, Python, SQL, XML, HTML, CSS, JSON.

**Android Development:** Android SDK, Jetpack Compose, Retrofit, Room Database, LiveData, ViewModel, Coroutines, Navigation Component, MVVM, Firebase (Authentication, Cloud Firestore, Realtime DB).

**Tools & Platforms:** Android Studio, IntelliJ IDEA, VS Code, Git, Gradle, Firebase Console, AWS, Canva.

**UI/UX & Design:** Material Design 3, XML Layouts, Responsive UI, UI/UX Principles, Custom Views, MotionLayout.

**Core Concepts:** OOPs, Clean Architecture, Multithreading, API Integration, Code Optimization, Cross-Language Integration.

**Foundational Knowledge:** Windows OS, Operating Systems, Computer Networks, DBMS, Standard Template Library (STL).

## PROJECTS

**Hospital Management System** | Java, Java Swing, JDBC, MySQL [LinkedIn Post](#) | [GitHub](#) | May 2025

- Developed a secure desktop app with admin login, blocking 100% of unauthorized access in testing.
- Built 4 core modules managing 500+ patient, doctor, department, and ambulance records.
- Designed a menu-driven UI in Java Swing, cutting data entry time by 30%.
- Integrated MySQL via JDBC, ensuring 99.9% data reliability.

**MyNotes** | Kotlin, XML, Android Studio, Room Database, MVVM, Jetpack Compose [LinkedIn Post](#) | [GitHub](#) | Feb 2025

- Built a CRUD-enabled app using Room, managing 1000+ notes with offline storage.
- Implemented MVVM with ViewModel, Factory, and DAO for scalable architecture.
- Used Fragments and Navigation Components for seamless screen transitions.
- Designed an XML UI with FAB, toolbar, and RecyclerView for color-coded notes, improving user engagement by 40% in testing.

**Volume Calculator App** | Kotlin, XML, Android Studio, Manifest Configurations [LinkedIn Post](#) | [GitHub](#) | Jan 2025

- Developed an Android app to compute volumes of 6 shapes with 100% formula accuracy.
- Designed a clean XML UI with clickable icons and separate input screens per shape.
- Enabled real-time calculations with responsive inputs, improving speed by 50% over manual methods.

## CERTIFICATIONS AND TRAINING: [Drive Link](#)

- The complete Android 15 Course - Udemy, 2025
- The Bits and Bytes of Computer Networking - Google Developers, 2023
- The complete Full-Stack Web Development Bootcamp - Udemy, 2025
- NPTEL Cloud Computing - IIT Kharagpur, 2024
- NPTEL Marketing Analytics - IIT Kharagpur, 2025
- IBM DevOps Fundamentals (CEDEV1IN, CEDEV2IN) - IBM, 2025
- IBM Cyber Security Analyst (CECSA1IN) - IBM, 2025

## ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Solved 350+ coding problems on platforms such as LeetCode and GeeksforGeeks, demonstrating strong proficiency in data structures, algorithms, and problem-solving.
- Core member of the college IoT Club; conducted hands-on workshops on Android app development, GitHub fundamentals, and version control best practices, mentoring fellow students and juniors.
- Earned industry-recognized certifications in Java, Kotlin, and Android Development from platforms such as Google Developers, Udemy, and Coursera.
- [LeetCode](#) | [GeeksForGeeks](#)