

# Naveen Singh

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## Summary

Android Developer & SDE with expertise in Kotlin, Jetpack Compose, Firebase, and MVVM; delivered 30% performance boosts in production apps. Strong in DSA, OOP, REST APIs, and scalable mobile/backend systems with 250+ algorithmic solutions.

## Skills

**Programming Languages:** Java, Kotlin, Python, C++  
**Android Development:** Kotlin, MVVM, Dependency Injection (Dagger Hilt), Android SDK, XML Layouts, Jetpack Compose, Room Database, Coroutines, Retrofit, Automated Testing (Espresso), Material Design 3, Navigation Component, WorkManager, RESTful API, ViewModel, Debugging and Testing (Logcat), Memory & UI/UX Optimization  
**Database & Backend:** Room, SQLite, Firebase (Firestore, Realtime DB, Authentication, Storage), RESTful APIs, CI/CD  
**Tools & Platforms:** Android Studio, IntelliJ IDEA, VS Code, Git/GitHub, Gradle, Firebase Console, Google Play Store  
**Computer Science Fundamentals:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

## Projects & Experience

<b>Journal App</b>   Kotlin, Jetpack Compose, Firebase, MVVM, Room   Journal App (GitHub)	June 2025
<ul style="list-style-type: none"><li>Engineered a journaling app using Firebase Auth/Firestore that synchronizes 1000+ media entries in real-time</li><li>Architected MVVM with ViewModel/LiveData, enhancing code modularity by 50% and reducing crashes by 30%</li><li>Optimized UI performance using Jetpack Compose and Kotlin Coroutines, driving 35% higher user engagement</li></ul>	
<b>Hospital Management System</b>   Java, Swing, MySQL, JDBC   Hospital Management System (GitHub)	May 2025
<ul style="list-style-type: none"><li>Implemented RBAC system with Java Swing that prevented 100% unauthorized access attempts</li><li>Developed 4 core modules managing 500+ patient/doctor records with 99.9% data accuracy</li><li>Streamlined data entry workflow by 30% through intuitive UI design and validation logic</li></ul>	
<b>MyNotes</b>   Kotlin, Room, MVVM, Jetpack Components   Notes App (GitHub)	February 2025
<ul style="list-style-type: none"><li>Built a performant notes app with Room Database supporting 1000+ offline entries with dynamic categorization</li><li>Integrated Navigation Components to enhance UX flow, resulting in 40% higher engagement</li><li>Designed DAO layer with ViewModelFactory to improve test coverage and scalability</li></ul>	

## Achievements

- Solved 250+ DSA problems on LeetCode & GFG, applying optimizations that cut runtime by 15% in real projects.
- Built production-ready Android apps supporting 1000+ users with Firebase, Room DB and REST APIs, while improving code modularity by 50%, boosting performance by 30% and reducing crashes by 30%.
- Optimized 15+ Android apps by refactoring Kotlin codebases, reducing APK size by 25% and improving startup time by 30% through efficient data structures and caching strategies.
- Mentored 5+ peers in Android development and DSA, helping them build their first apps.

## Education

<b>VIT Bhopal University</b>	2022-2026
B.Tech in Computer Science   CGPA: 8.53	Bhopal, MP
<b>Sunbeam School Varuna</b>	2021
Higher Secondary (89.8%)	Varanasi, UP
<b>Sunbeam School Varuna</b>	2019
Secondary (91.8%)	Varanasi, UP

## Certifications

[View Certificates]

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