

Nikhil Kumar

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PROFESSIONAL SUMMARY

Android Developer with 1+ years of experience in building scalable and high-performance mobile applications using Java, Kotlin, Jetpack Compose, and modern Android architecture (MVVM, Clean Architecture). Skilled in REST API integration, Firebase services, and performance optimization. Experienced in asynchronous programming (Coroutines, Flow), dependency injection (Hilt), and delivering user-centric mobile solutions.

EDUCATION

- National Institute of Technology, Durgapur** West Bengal, India
Master of Technology (Computer Science and Engineering); CGPA: 7.6 Aug 2022 – May 2024

SKILLS SUMMARY

- Programming Languages:** C, C++, Java, Kotlin
- Android Development:** Android SDK, Jetpack Compose, XML Layouts, RecyclerView, ViewBinding, DataBinding
- Architecture & Patterns:** MVVM, Clean Architecture, Navigation Component
- Networking & APIs:** REST APIs, Retrofit, OkHttp, JSON
- Asynchronous Programming:** Kotlin Coroutines, Flow, LiveData, Multithreading
- Database & Storage:** Room Database, SQLite
- Dependency Injection:** Hilt
- Firebase Services:** Firebase Authentication, Firestore, Realtime Database, Cloud Storage
- Background Processing:** WorkManager, Background Services
- Tools & Platforms:** Android Studio, Git, GitHub, Postman, VS Code
- Other Skills:** Agile Development, SDLC, Debugging, Performance Optimization

EXPERIENCE

- VideoGate Technologies Pvt. Ltd.** Hyderabad, India
Software Engineer (Android Developer) Aug 2024 – Present
 - User Activity Tracking:** Designed and implemented a scalable user activity tracking system to capture user behavior data. Scheduled background tasks using **WorkManager** to batch and send analytics events every 24 hours, improving data reliability and reducing network overhead.
 - Ad Monetization:** Integrated **Google AdMob** (Banner, Interstitial, Rewarded Ads) into an OTT Android application, optimizing ad placement to improve revenue while maintaining seamless user experience.
 - API Integration & Video Features:** Developed peer-to-peer video features by integrating **REST APIs** using **Retrofit**, enabling efficient metadata fetching and dynamic content display. Implemented offline sync using **WorkManager** for publish/delete actions.
 - Media Optimization:** Optimized media uploads by applying **WebP compression** and image downscaling, reducing storage usage and improving upload efficiency.
 - Security Implementation:** Implemented secure authentication using **JWT** and ensured data encryption using **JWE**, enhancing application security and data integrity.
 - Performance Optimization & Debugging:** Identified and resolved performance bottlenecks and critical bugs, improving application stability, responsiveness, and overall user experience.

PROJECTS

- Flowcus – Focus & Productivity App** (Android, Kotlin): Jan 2026 – April 2026
Developed a productivity Android app with Pomodoro-based focus sessions, task management, and analytics using **Kotlin**, **Jetpack Compose**, and **MVVM**. Implemented background timer using **foreground service**, local storage with **Room**, and distraction blocking via **Accessibility Service**. Integrated **Firebase** and **Google AdMob** for analytics and monetization.
- E-Commerce Android App** (Kotlin, Jetpack Compose): Aug 2025 – Present
Developed a modern e-commerce Android application using **Kotlin** and **Jetpack Compose** with a clean, responsive UI. Implemented **MVVM architecture** using **Hilt** for dependency injection and **Room Database** for local persistence. Integrated **Firebase Authentication**, real-time database, and cloud storage. Added product search, category browsing, wishlist, and cart management using **Coroutines** for smooth asynchronous operations.
- Expense Tracker App** (Android, Kotlin): Mar 2025 – May 2025
Built a personal finance management app allowing users to record and track daily expenses. Followed **MVVM architecture** with **Data Binding** and **Kotlin Flow** for reactive UI updates. Used **Room Database** for offline data storage and implemented week, month, and year filters to visualize spending summaries.