

Nitesh Ray

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Experience

Android Developer – Indilingo

July 2025 – Present

- Migrated **80%** of the Android native codebase to **Kotlin Multiplatform (KMP)** to enable cross-platform support.
 - Integrated **Google Sign-In** and connected it with backend **REST APIs** to enable seamless user authentication.
 - Enhanced app usability by redesigning multiple screens in **Jetpack Compose**, delivering a clean, modern, and responsive UI.
 - Improved app performance, maintainability, and scalability by adopting **MVVM architecture**, **Coroutines**, and Dependency Injection (**Hilt & Koin**).
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Projects

Blockit | Tech Stack: Kotlin, Jetpack Compose, AccessibilityService API, Notifications, Services, MVVM

- Developed a distraction-free productivity app that blocks YouTube Shorts, Instagram Reels, apps, and websites.
- Achieved **100+ downloads** and **40+ monthly active users**, demonstrating early user adoption and engagement.
- Implemented **real-time blocking** using AccessibilityService API with efficient monitoring and notification alerts.
- Architected using **MVVM**, ensuring clean code separation, testability, and scalability.
- Designed a **minimal and intuitive UI** with Jetpack Compose for a smooth, engaging user experience.

Links : [Play Store](#) | [GitHub](#)

HealthForge | Tech Stack: Kotlin, Jetpack Compose, Generative-AI, MVVM, AlarmManager, OCR

- Developed an **AI-driven** app using Kotlin + Jetpack Compose that generates adaptive, personalized care plans from medical reports for post-discharge healthcare.
- Implemented Features like Health Analytics Dashboard, CareConnect (guardian-guardee network), smart notifications, and multi-language AI voice assistant.
- Created smart notification system using AlarmManager for medicine reminders, hydration alerts, and daily task streaks.
- Integrated Firebase/Auth + Firestore for **secure auth**, **report storage**, care plan sync, and user-specific health data management.

Links : [GitHub](#) | [Download Apk](#)

Technical Skills

Languages: Kotlin, SQL, XML

UI Frameworks: Jetpack Compose, XML Layouts

Architectures & Concepts: MVVM, Dependency Injection (Hilt/Koin), Coroutines, REST API Integration

Libraries & Tools: Retrofit, Ktor, Room, Firebase SDK, TensorFlow Lite, Android SDK, Git/GitHub

Cloud & Backend: Firebase Firestore, Firebase Authentication, Firebase Cloud Messaging (FCM)

Developer Tools: Android Studio, Postman, Firebase Console

Achievements

- **Global Nominee** in **NASA Space App Challenge 2024**.
- Selected in **Top 100 teams** out of **600+ teams** for the **final round of IIIT Gwalior Hackathon**.