

# Nitesh Ray

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## Education

**B.E. in Artificial Intelligence & Data Science**  
Sandip Foundation's SITRC, Nashik, Maharashtra, India

Jun 2022 – Jun 2026

## Experience

### Android Developer

Indilingo Labs LLP, Language Learning App (2.5k+ Downloads)

Jul 2025 – Present

- Migrated 80% of a 20k+ LOC Android codebase to Kotlin Multiplatform, cutting platform-specific duplication by 65% and enabling shared iOS + Android code.
- Integrated Google Sign-In with OAuth2 and backend APIs, reducing auth time by 40% and increasing onboarding completion by 25%.
- Redesigned 6+ screens in Jetpack Compose, making the UI cleaner, faster, and more visually consistent across the app.
- Collaborated in a 3-person development team to deliver 4 major features end-to-end.

## Projects

### Blockit

*Kotlin, Jetpack Compose, AccessibilityService, Services, MVVM*

Play Store — GitHub

- Developed and launched a productivity app that blocks Shorts/Reels and distracting apps, reaching 100+ downloads, 40+ MAUs, and a 4.2 rating within 1 month.
- Implemented real-time distraction blocking using AccessibilityService (<50ms latency), successfully blocking 95%+ targeted content.
- Applied MVVM architecture for clean separation of concerns, improved testability, and easier future feature scaling.
- Designed a minimal, intuitive UI using Jetpack Compose to provide a smooth and engaging user experience.

### HealthForge

*Kotlin, Jetpack Compose, Generative AI, MVVM, AlarmManager*

GitHub — Download APK

- Built an AI-powered healthcare app that generates personalized medical care plans from uploaded reports using the Gemini API.
- Engineered 4 core modules: Health Analytics Dashboard, CareConnect Guardian Network, Smart Notification System, and a multi-language voice assistant.
- Developed a Smart Voice Notification System delivering contextual voice alerts (medicine, hydration, tasks), achieving an 82% attention rate.
- Integrated Firebase Authentication and Firestore for secure auth, care-plan sync, and user-specific health data management.

## 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

- NASA Space Apps Challenge 2024 — Global Nominee, selected in the top 10% from 9,000+ teams and 54,000+ participants across 450+ global locations.
- IIIT Gwalior Hackathon 2025 — Finalist, ranked in the top 16.6% among 600+ national-level competing teams.