



# Nitesh Ray

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## Technical Skills

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- **Languages:** Kotlin, Java, XML, SQL
- **UI Frameworks:** Jetpack Compose, XML
- **Architecture & Concepts:** MVVM, Dependency Injection (Hilt), Coroutines, API Integration, Push Notifications
- **Libraries & Tools:** Android SDK, Retrofit, Room, Hilt, Firebase, Git, GitHub, TensorFlow Lite
- **Cloud & Backend:** Firebase Firestore, Firebase Auth, Firebase Cloud Messaging (FCM)
- **Dev Tools:** Android Studio, Postman, GitHub, Firebase Console

## Education

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**Bachelor of Engineering in Artificial Intelligence and Data Science**      June 2022 – May 2026 Sandip Foundation's SITRC, Nashik, Maharashtra, India

## Projects

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- ❖ **Blockit - Productivity App to Block Shorts, Apps & Websites** GitHub Link
- Built a productivity-focused Android app that blocks distractions like YouTube Shorts, Instagram Reels, apps, and websites.
  - Implemented blocking using AccessibilityService API of Android and real-time monitoring.
  - Engineered the app using MVVM architecture, ensuring clean code separation, reusability, and scalability.
  - Helped users reduce distraction time and improve productivity by promoting intentional phone usage.

**Tech Stack :** Kotlin , Jetpack Compose , MVVM , AccessibilityService API , Notifications

- ❖ **ArogyaSathi – AI- Powered Voice Health Assistant** GitHub Link
- Developed an AI-powered multilingual voice health assistant using Kotlin that understands and responds to health queries in Hindi, English, and Marathi via Google's Gemini API.
  - Integrated Android SpeechRecognizer for voice input, Gemini API for smart responses, and Text-to-Speech for voice replies , delivering a complete voice-based interaction experience.
  - Built a chat interface with persistent history using Firebase Firestore and secured login using Google Sign-In via Credential Manager API.

**Tech Stack:** Kotlin, Jetpack Compose, MVVM , Firebase , Speech-to-Text API, Text-to-Speech API

- ❖ **MyWallet : An Expense Tracker App** GitHub Link
- Developed a personal expense tracker app in Kotlin with Firebase backend to manage, categorize, and visualize spending with real-time updates.
  - Integrated Google Sign-In with Firebase Auth and Firestore for secure login and cross-device data sync.
  - Implemented budget tracking with visual insights (Pie Chart) and Notifications when spending exceeds 80%.

**Tech Stack :** Kotlin , XML , MVVM , Firebase , AndroidMP Chart Library

- ❖ **CineHub – Movie Discovery App** GitHub Link
- Built an feature-rich movie browsing app with real-time data fetching from TMDB API using Retrofit.
  - Designed a clean, minimalistic UI with dynamic search, filtering, and personalized watchlist features.

**Tech Stack:** Kotlin, XML, Retrofit, MVVM, Hilt

## Achievements

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- Selected as Global Nominee in NASA Space App Challenge 2024