

Roshanlal Maddheshiya

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Education

University of Allahabad

Bachelor of Computer Applications

Sep 2023 – Present

Prayagraj, India

Projects

Task Manager App

Tech: Kotlin, Room Database, RecyclerView, ViewModel

- Developed an intuitive task management application with CRUD operations for effective organization.
- Integrated Room database for efficient storage and retrieval of user data.
- Optimized UI aesthetics with dynamic color themes, animations, and smooth transitions.

Expense Tracker App

Tech: Android, Firebase, MVVM Architecture

- Created an expense tracker that enables users to monitor spending patterns effectively.
- Implemented Firebase authentication for secure data management and real-time syncing.
- Designed an engaging user interface with interactive charts for visualizing expenses.

Smart Alarm System

Tech: Kotlin, Geofencing, Jetpack Components

- Developed a location-aware alarm system leveraging geofencing for contextual alerts.
- Implemented background services for optimized battery performance.
- Added customizable alarm settings, allowing personalized notifications and snooze options.

Technical Skills

Languages: Kotlin, Java, Python, SQL

Frameworks: Android SDK, Jetpack Components, Flask

Databases: Room, Firebase, SQLite

Tools: Git, VS Code, Android Studio

Cloud Services: Firebase Functions, AWS Lambda

Learning & Achievements

- Continuously refining **UI aesthetics** and exploring **color schemes** to improve app engagement.
- Strengthening **database management** by implementing **migrations** and optimizing queries.
- Exploring **ViewModel and LiveData** for better UI state management in Android applications.
- Actively learning **Git workflows** for collaborative development and version control.