

Mandar Rane

8308601603 | mandar123rane@gmail.com

SKILLS

APP DEVELOPMENT | React Native • Android Development • Expo

APP ARCHITECTURES | MVVM • Clean Architecture

LIBRARIES | Hilt • Jetpack Compose • Redux • Retrofit • Coroutines • Room

BACKEND DEVELOPMENT | Node.js • Express.js • Firebase • RESTful API

DATABASES | SQL • MongoDB

PROGRAMMING LANGUAGES | Java • Python • JavaScript • Kotlin

MISCELLANEOUS | Git • Postman • Socket.io • HTML • CSS

EXPERIENCE

Spire3D Technologies | Software Engineering Intern

Jan 23 – April 23 | Pune, India

- Resolved existing bugs in a cross- platform mobile app built using Flutter.
- Built a backend system with multiple API endpoints specifically designed for testing purposes.

PROJECTS

CRYPTOINDEX – CRYPTOCURRENCY EXPLORER APP

- Developed a robust Android app following **Clean Architecture** principles and **MVVM** design pattern, ensuring separation of concerns and maintainability.
- Utilized **Jetpack Compose** to create a sleek and dynamic user interface.
- Implemented **API integration** and employed **Dependency Injection** for modular and scalable code.

FULL-STACK FOOD DELIVERY MOBILE APP

- Designed and developed a food delivery app using **Android Studio** (Kotlin).
- Integrated features like payment gateway using **Razorpay API**, location services using **Google Maps API** and persistent storage using **SQL**.
- Built a backed system using **Node.js**, **Express.js**, **MongoDB** and **Firebase**.

INVENTORY MANAGEMENT CROSS-PLATFORM APP

- Developed an app that efficiently manages store operations, inventory, and order tracking using **React Native** and **Redux** for state management.
- Implemented push notification feature using **Firebase Cloud Messaging**.

REAL-TIME AUDIENCE ATTENTION MONITORING SYSTEM

- Developed an Attention Monitoring System using **MediaPipe** and **OpenCV**.
- Built a server using **Node.js** and **Express.js** to facilitate communication between camera device and mobile app via **Socket.io**.
- Integrated the system with a mobile app to display live attention scores.

EDUCATION

D. Y. PATIL COLLEGE OF ENGINEERING, PUNE

B.E Computer Engineering

2020 - 24 • CGPA: 8.93

SNBP INTERNATIONAL, PUNE

Class 12th • 2020

DAV PUBLIC SCHOOL, PUNE

Class 10th • 2018

COURSEWORK

Data Structures and Algorithms

Operating Systems

Database Management System

Computer Networking & Security

Machine Learning

Object Oriented Programming

LINKS

GitHub:// [mandar-rane](https://github.com/mandar-rane)

LinkedIn:// [mandar-rane](https://www.linkedin.com/in/mandar-rane)

Leetcode:// [mrane](https://leetcode.com/mrane)

CERTIFICATIONS

The Complete Android and Kotlin Development Masterclass

Advanced Learning Algorithms

Supervised Machine Learning: Regression and Classification

Unsupervised Learning, Recommenders, Reinforcement Learning