

# JEELCHANDEGRA

## Android Developer

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• Rajkot, Gujarat

## Summary

Mobile App Developer skilled in Flutter, React Native, and Node.js, Firebase with experience building scalable apps and integrating REST APIs. Passionate about clean architecture, AI/ML integration (including RAG-based systems), and delivering smooth, high-performance user experiences.

## Experience

### BrainyBeam Technologies

Ahemdabad

#### ML intern

- Explored core ML concepts including supervised/unsupervised learning, model training, and evaluation
- Gained hands-on experience with Python, NumPy, pandas, scikit-learn, and basic ML algorithms like Linear Regression and KNN
- Implemented data preprocessing techniques including handling missing values, feature scaling, encoding, and train-test splitting
- Worked with visualization tools like Matplotlib and Seaborn to analyze data patterns and model performance

## Projects

### Adaptive Quiz Engine

AI-powered adaptive learning platform using Flutter, Firebase, and Google Gemini AI with Item Response Theory for personalized difficulty adjustment.

- IRT algorithms with Bayesian theta estimation for real-time ability tracking
- RAG pipeline with PDF processing for document-based contextual learning
- Ideal for competitive exam prep and academic testing

### Hackathon Buddy

Developed a networking application featuring swipe-based user discovery and real-time collaboration for software developers.

- Built a cross-platform Flutter app to help users find hackathon teammates using a Tinder-style swipe UI
- Features include real-time chat, follow/unfollow system, search & filter options, and posting functionality
- Integrated Firebase for backend services and DiceBear API to generate dynamic profile avatars.

## Achivements

### Mission Blackout Cyber Treasure Hunt

Secured 2nd place in a CTF-style cybersecurity competition focused on problem-solving, digital forensics, and ethical hacking challenges. Solved challenges across categories such as cryptography, steganography, web exploitation, and network analysis. Demonstrated strong analytical skills by identifying vulnerabilities, decoding encrypted files, and reconstructing hidden information

## Skills

Mobile: Flutter • React Native • Google Firebase • Python • Typescript • Javascript • C/C++ • Java • Kotlin

Backend: Node.js • REST • Express.js • Firebase • GraphQL

## Education

### Atmiya University

BCA

Rajkot, Gujarat

08/2020 - 05/2023

### Atmiya University

MCA

Rajkot, Gujarat

08/2024 - 05/2026