HARSH CHAUHAN

Mobile Application Developer

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About me

I'm a Flutter developer specializing in high-quality cross-platform apps with clean UI/UX and maintainable Dart code, experienced in working with Firebase and REST APIs, and passionate about solving real-world problems with scalable solutions.

Education

Atmiya University Master of Computer Application	CGPA: **9.41**	Rajkot, Gujarat 2024 - 2026
Atmiya University Bachelor of Computer Application	CGPA: **8.58**	Rajkot, Gujarat 2020 - 2023

Work Experience

BrainyBeam Technologies Pvt. Ltd.   Ahemdabad, Gujarat
AI/ML Intern

- Utilized Pandas and NumPy for efficient data cleaning, preprocessing, and manipulation of large datasets.
- Performed exploratory data analysis (EDA) and visualizations using Matplotlib and Seaborn to identify key trends and patterns.
- Implemented feature extraction techniques to improve model performance and reduce dimensionality.
- Applied machine learning algorithms for classification and regression tasks, optimizing model accuracy.
- Evaluated models using accuracy prediction techniques and fine-tuned hyperparameters for better performance.

Projects

Adaptive Quiz Engine

Adaptive Quiz Engine 🧩 uses Item Response Theory (IRT) and AI to estimate learner ability in real time. It features a 3PL Bayesian adaptive model, Gemini-powered question generation, and a RAG pipeline for PDF-based learning. Built with Flutter, Firebase, and Hive, it offers smart quizzes, chat-based study support, and real-time analytics.

Chat Application

Built a real-time chat app using Java and Firebase with features like user authentication, status updates, push notifications, profile management, image sharing, and message deletion. Integrated Firebase Realtime Database, Storage, and Cloud Messaging for seamless communication.

Notes App

Developed a synchronized notes app with offline and online support using Firebase and Sqflite. Features include rich text editing, text/background color customization, search functionality, image/video uploads, clickable links, checklist creation etc. and real-time sync across devices.

Achievements

1st Runner-Up position in CTF(Capture The Flag) — "Mission Blackout: CyberTreasure Hunt" hosted by Cyber Protectors!Intense and mind bending CTF Capture The Flag) challenge filled with cryptic clues, codebreaking, and digital adventures.Every second tested our skills, logic, and teamwork.

Skills

- Java, C++, Flutter, Dart, React Native
- Firebase, Node.js, REST API