

ADITYASINH RANA

Computer Science Engineer

✉ adityasinh209@gmail.com 📍 Jamnagar / Gandhinagar, India  adityasinh29  Adityasinh209

Summary

Results-driven Computer Science Engineer with hands-on experience designing and deploying scalable web applications, RESTful APIs, and cloud-integrated systems. Proficient in Next.js, React, Node.js, Firebase, and AWS cloud services. Experienced in IoT-based system development using NodeMCU and embedded platforms. Passionate about leveraging artificial intelligence, cloud computing, and modern software engineering practices to deliver impactful, real-world technology solutions. Strong communicator with demonstrated leadership through community tech initiatives.

Education

Bachelor of Technology Computer Science and Engineering (B.Tech CSE), Gandhinagar, India
Karnavati University University Institute of Technology (UIT)
• SGPA: 7.36 (Semester 5)

Higher Secondary Certificate (HSC) Science Stream, Group A, Jamnagar
Podar International School
CBSE Board

Technical Skills

Programming Languages

C, Java, Python, JavaScript, TypeScript, R

Backend Development

Node.js, Express.js, REST API Design & Integration, Django

Cloud Platforms

Amazon Web Services (AWS) such as S3, EC2, CloudWatch, CloudTrail, IAM, etc.

Data Analysis & Visualization

Python (Matplotlib, Seaborn, Plotly), R (dplyr), Tableau, Power BI

Engineering & Design Tools

SolidWorks

Frontend Development

React.js, Next.js, HTML5, CSS3, Tailwind CSS, Responsive Web Design

Databases

MongoDB, MySQL, Firebase Firestore, PostgreSQL

DevOps & Tools

Git, GitHub, VS Code, Postman, Version Control, Agile Development

IoT & Embedded Systems

NodeMCU (ESP8266), Arduino IDE, Blynk, Tinkercad

Soft Skills

Leadership, Team Collaboration, Problem Solving, Communication, Time Management, Adaptability, Event Coordination

Leadership & Activities

"Google Developer Group On Campus - Karnavati University" - , Organizer

- Led end-to-end organization of technical events, developer workshops, and community learning sessions.
- Coordinated with speakers, sponsors, and university administration to deliver high-quality developer education programs.

2025 – Present
Karnavati University,
Gandhinagar

Google Developer Groups, Core Coordinator - GDG

- Managed event logistics, team collaboration, and developer community engagement across multiple technical initiatives.

2024 – 2025

Karnavati University,
Gandhinagar

Volunteer

- Volunteered in technical/non-technical Event organised at Karnavati University

Projects

Expense Tracker Web Application

JavaScript, HTML, CSS

- Built a prototype web application to track personal income and expenses.
- executed transaction management and categorized expense tracking features.
- planned interactive user interface for adding and managing financial records.
- Focused on improving usability and structured data handling

Lost & Found Web Portal

ext.js, Tailwind CSS, Firebase

- enhanced a prototype web portal to help students report and recover lost items within a campus environment.
- created responsive user interfaces using Next.js and Tailwind CSS.
- blended Firebase backend services for data storage and item listing.
- applied structured reporting and browsing features for lost and found items.

Netflix Clone Streaming Interface

JavaScript, HTML, CSS, Movie API

- Created a Netflix-style streaming interface replicating the layout and user interaction of a movie platform.
- merged movie APIs to dynamically fetch movie data and display categorized content rows.
- enforced API calls for individual movies, enabling users to select and play content through redirected media playback links.
- expanded responsive UI components for movie browsing and interactive playback experience.

Ayusandhi Electronic Health Record (EHR) Mobile App

React Native / Flutter, Node.js / Django, PostgreSQL / Firebase

- Developed a prototype mobile-based Electronic Health Record (EHR) companion application for ASHA workers operating in low or no internet connectivity areas.
- Implemented an offline-first architecture enabling patient data collection locally with automatic synchronization to the central database once internet connectivity is available.
- Integrated secure authentication and cloud database systems to ensure reliable storage and access to patient health records.

Certifications

AWS Academy Graduate Cloud Security

Amazon Web Services (AWS)

AWS Academy Graduate Cloud Foundations

Amazon Web Services (AWS)

Google Solution Challenge

Google Developer Groups

GDG Core Coordinator Certificate

Google Developer Groups On Campus

Smart India Hackathon (SIH) Certificate

Government of India