

Rao Mitesh

 +91 9924246809 |  raomitesh12@gmail.com |  Portfolio |  linkedin.com/in/rao-mitesh
 github.com/RaoMitesh21 |  Ahmedabad, Gujarat, India

PROFESSIONAL SUMMARY

High-achieving Data Science student at JG University (CGPA: 8.83) with hands-on experience in building full-stack web applications and developing AI/ML models for real-time and data-driven systems. Proficient in modern web development stacks, machine learning frameworks, and predictive analytics, with a strong focus on scalable and efficient solutions. Ranked 1st in stream for three consecutive semesters, demonstrating consistent academic excellence and strong problem-solving skills.

EDUCATION

JG University — Bachelor of Science (IT) - Data Science — CGPA: 8.83/10.0

Ahmedabad, Gujarat, India

July 2024 – April 2027

- Semester 1: 8.6 CGPA — Semester 2: 8.9 CGPA — Semester 3: 9.0 CGPA
- Ranked 1st in the Data Science stream across Semester 1, Semester 2, and Semester 3
- Relevant Coursework: Data Structures & Algorithms, Database Management, Web Development, AI/ML

Tripada High School — High School Diploma

Ahmedabad, Gujarat, India

June 2022 – May 2024

- GSEB Class XII: 80% — A2 Grade

EXPERIENCE

Machine Learning Intern (Virtual) — CS Vision

Remote

Aug 2025 – Sept 2025

- Developed **Profit Paradox**, a sales and profit prediction system using machine learning on the Sample Superstore dataset
- Built and compared multiple ML models (Linear Regression, Ridge, Random Forest, XGBoost) achieving $R^2 > 0.85$
- Performed comprehensive data cleaning, preprocessing, and exploratory data analysis on retail sales data
- Implemented customer segmentation using clustering techniques to identify target demographics
- Created an interactive Streamlit application for real-time predictions and data visualizations
- Delivered actionable insights on discount optimization, product categories, and customer targeting strategies

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C++, C, SQL, PHP

Web Development: React.js, HTML, CSS, Responsive Web Design, WebSocket (Ratchet), Streamlit

Data Science & ML: Machine Learning, Predictive Modeling, XGBoost, Random Forest, Scikit-learn, Clustering

Database Technologies: SQL (Intermediate), Database Design and Management

Productivity Tools: MS Office (Word, Excel, PowerPoint), macOS Pages, Numbers

Tools & Technologies: Git, Jupyter Notebook, VS Code, Cursor, AI Tools Integration

Concepts: Data Analysis, REST APIs, Authentication, Model Evaluation, Feature Engineering, Deployment

Soft Skills: Public Speaking, Leadership, Problem Solving, Team Collaboration, Quick Learner

PROJECTS

Talksy - Real-Time Chat Application | React, PHP, WebSocket (Ratchet)

Semester 3

- Developed a full-stack real-time chat application enabling instant messaging between multiple users
- Implemented WebSocket protocol using Ratchet for bidirectional communication and low-latency message delivery
- Built responsive frontend with React.js for a seamless user experience across devices
- Designed and integrated PHP backend with database management for authentication and message persistence
- Supported real-time messaging for multiple concurrent users with sub-second message delivery

ThunderCast - Weather Prediction AI Model | Python, Machine Learning

Sept 2025

- Developed an AI-powered prediction model for thunderstorms and gale force wind speeds at LJ University AI Hackathon
- Implemented machine learning algorithms to analyze meteorological data and predict severe weather patterns
- Trained models on historical weather datasets to improve early warning accuracy
- Collaborated with team members to preprocess data, engineer features, and optimize model performance
- Presented the solution demonstrating practical application in disaster preparedness and public safety

ACHIEVEMENTS & CERTIFICATIONS

Legacy Responsive Web Design V8 Certification | freeCodeCamp

2025

Academic Excellence - Rank 1 | Data Science Stream, JG University

Semesters 1-3

AI Hackathon Participant | LJ University

Sept 2025

EXTRACURRICULAR ACTIVITIES

Public Speaking | Technical Presentations

2024 - Present

Technology Enthusiast | AI Tools and Modern Development Practices

Ongoing