

Rao Mitesh

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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	<i>Sept 2025</i>
<ul style="list-style-type: none">– 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	<i>2025</i>
Academic Excellence - Rank 1 Data Science Stream, JG University	<i>Semesters 1–3</i>
AI Hackathon Participant LJ University	<i>Sept 2025</i>

EXTRACURRICULAR ACTIVITIES

Public Speaking Technical Presentations	<i>2024 – Present</i>
Technology Enthusiast AI Tools and Modern Development Practices	<i>Ongoing</i>