

Raghavendra Baheti

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Education

Techno NJR Institute of Technology

Bachelor of Technology in Computer Science

Udaipur, Rajasthan

09/2022 - 06/2026

Skills

Programming Languages: C, JavaScript, Java, Python

Technologies: ReactJS, MySQL, AWS, Jenkins, Kubernetes, Docker, Ansible

Tools and Frameworks: Git, GitHub, Postman

Projects

DSA Quiz

- Built with React to help users improve DSA skills through quizzes.
- Used JSON for structured question storage and efficient data flow.

Personal Portfolio

- Developed a responsive multi-page portfolio using React.js, React-Bootstrap, and custom CSS, and showcasing technical projects.
- Deployed using AWS EC2 for enhanced control and scalability.

CI/CD Pipeline Using Jenkins, Ansible & Docker on AWS EC2

- Automated web application deployment using a CI/CD pipeline built with Jenkins, Ansible, and Docker on AWS EC2 instances.
- Configured GitHub webhook to trigger Jenkins, which fetches code, builds Docker images, and pushes them to Docker Hub.
- Used Ansible to orchestrate container deployment and ensure smooth provisioning on EC2 instances.

Other Activities

Smart India Hackathon 2024

Frontend Developer

ML-Based CAPTCHA Refinement System

- Constructed a user-friendly interface prototype using Figma and converted it into a live frontend using HTML, CSS, JavaScript, and ReactJS.
- Integrated machine learning models into the system, enhancing CAPTCHA security and improving automated bot detection.
- Secured 1st position, representing the institution at the collegiate level.

Logithon Hackathon 2025

Backend & Deployment

Multi-Modal Cross-Border Route Optimization System

- Developed an AI-powered logistics system for optimizing cross-border cargo shipping routes using multi-modal transportation (land, air, sea).
- Designed and deployed a scalable backend infrastructure using Flask, MySQL, and Kubernetes, ensuring high availability and efficiency.
- Implemented Dijkstra's Algorithm with NetworkX to compute optimal shipping routes based on cost, transit time, and feasibility.

Matrix Protocol AI Hackathon Finalist 2025

Frontend & Deployment

Conversational AI Assistant for Company

- Built a multilingual AI-powered conversational agent to answer company-specific FAQs using real-time web scraping and semantic search.
- Designed and developed the frontend using Next.js, delivering a responsive and intuitive user interface for real-time voice interactions.
- Integrated Retrieval-Augmented Generation (RAG) architecture with multi-format document embedding for accurate, context-aware query resolution.