Raghavendra Baheti

◆ Udaipur,Rajasthan   ✉ raghavbaheti1224@gmail.com   📞 +91 7733969996   in Raghavendrabaheti
🐙 Raghavendrabaheti

Education

Bachelor of Technology in Computer Science   *Sept 2022 – May 2026*
Techno NJR Institute of Technology
CGPA: 7.9/10

Technologies

Languages: C, C++, Java, JavaScript
Technologies: ReactJS, MySQL, AWS, Jenkins, Kubernetes, Docker
Tools: Git, GitHub, Postman
Operating Systems: Linux, MacOS

Projects

DSA Quiz
- Developed a DSA (Data Structures and Algorithms) Quiz web application using React, enabling users to assess and enhance their algorithmic problem-solving skills.
- Implemented an interactive MCQ-based quiz system with difficulty level selection, real-time scoring, and performance evaluation.
- Designed a structured data flow using JSON for efficient question storage and retrieval.
- Tech Stack: React, JSON.

Multi-Server Architecture Deployment
- Deployed a multi-server architecture integrating DNS, NFS, WordPress, and MariaDB (Master-Slave Replication) to ensure scalability, redundancy, and high availability.
- Configured centralized storage using NFS for consistent data access across web servers.
- Set up MariaDB replication for real-time data synchronization and failover support.
- Enabled seamless WordPress web hosting with reliable backend connectivity and private database access.
- Tech Stack: WordPress, MariaDB, NFS, DNS, RHEL 9.

Secure Scalable AWS VPC Network
- Designed and deployed a secure and scalable AWS VPC with custom subnets, NAT & Internet Gateways, and VPC Peering.
- Configured private database hosting for controlled access, along with subnet segmentation and robust security groups.
- Implemented inter-region connectivity and high availability architecture with proper routing and firewall rules.
- Ensured network isolation, traffic control, and compliance using best practices in AWS networking.
- Tech Stack: AWS VPC, Subnets, NAT Gateway, Internet Gateway, Route Tables, Security Groups, VPC Peering.

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.
- Final application runs in Docker containers and is accessible via EC2 public IP for scalable and secure access.

- Tech Stack: Jenkins, Ansible, Docker, GitHub, Docker Hub, AWS EC2.

Other Activities

Smart India Hackathon 2024 — Frontend Developer   *Oct 2024 – Dec 2024*
ML-Based CAPTCHA Refinement System

- Formulated the user interface utilizing Figma and transformed it into a functional frontend with HTML, CSS, JavaScript, and ReactJS; the project was completed in 48 hours.
- Integrated machine learning models into the system, enhancing CAPTCHA security and improving automated bot detection.
- Assisted in designing and structuring the presentation content, which contributed to securing the 1st position for our college
- Tech Stack: Python, React, HTML, CSS, JavaScript, Figma.

Logithon Hackathon 2025 — Backend & Deployment   *Oct 2024 – Dec 2024*
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.
- Collaborated in a cross-functional team to integrate frontend, backend, and database components, ensuring seamless system performance.
- Tech Stack: Python, Flask, MySQL, React, Kubernetes.