

Sumit Ranjan Jha

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SUMMARY

Aspiring DevOps Engineer with strong foundation in containerization, automation, and cloud technologies. Hands-on experience with Docker, Linux systems, and CI/CD practices. Quick learner with technical background bridging Mechanical and Computer Science disciplines. Passionate about optimizing deployment workflows, automating infrastructure, and implementing DevOps best practices to enhance system reliability and scalability.

PROJECTS

Containerized Web Application with Docker & Nginx | *Docker, Docker Compose, Nginx, HTML/CSS* [GitHub](#)

- Designed and deployed a fully containerized web application using Docker and Nginx web server
- Authored comprehensive Dockerfile for custom image creation and docker-compose.yml for multi-container orchestration
- Implemented container networking with port mapping (8080:80) enabling seamless local deployment
- Built responsive, modern frontend interface demonstrating full-stack DevOps workflow
- Documented complete setup process including installation guides and troubleshooting for reproducible deployments
- Demonstrated proficiency in container lifecycle management and DevOps automation principles

SKILLS

Operating Systems: Linux (Ubuntu, CentOS, Debian), Windows Server, Shell/Bash Scripting
Cloud Platforms: AWS (EC2, S3, Lambda, CloudWatch, IAM), Microsoft Azure, Google Cloud Platform

Containerization & Orchestration: Docker, Docker Compose, Kubernetes, Container Registries

CI/CD & Automation: Jenkins, GitHub Actions, GitLab CI/CD, Travis CI, Automated Testing

Infrastructure as Code: Terraform, Ansible, CloudFormation, Configuration Management

Version Control: Git, GitHub, GitLab, Bitbucket, Git Workflows

Web Servers & Networking: Nginx, Apache, Load Balancing, DNS, HTTP/HTTPS

Monitoring & Logging: Prometheus, Grafana, ELK Stack, CloudWatch, Log Aggregation

Scripting & Programming: Python, Bash, PowerShell, JavaScript, SQL

Databases: MySQL, PostgreSQL, MongoDB, Redis, Database Backup & Recovery

DevOps Practices: Agile/Scrum, Microservices Architecture, System Design, Troubleshooting, Documentation

EDUCATION

Maharshi Dayanand University

2023 - 2026

Bachelor of Technology in Computer Science

CGPA: 8.2/10

- **Academic Focus:** Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Cloud Computing, DevOps Practices, Linux System Administration

Sant Longowal Institute of Engineering and Technology

2020 - 2023

Diploma in Mechanical Engineering

CGPA: 8.0/10

- **Core Subjects:** Engineering Mechanics, Thermodynamics, Manufacturing Processes, CAD/CAM, Industrial Automation