

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

* React + Django Demo App | *React, Django, Django REST Framework, Docker, Docker Compose* [GitHub](#)

- Implemented a full-stack demo with a Django REST API backend and React frontend for a seamless developer experience
- Built REST endpoints using Django REST Framework to expose CRUD operations and authentication flows
- Created a single-page React app with client-side routing, state management, and responsive UI components
- Containerized the application with Docker and orchestrated services via docker-compose for one-command local setup
- Added README with run/test instructions to simplify onboarding and demonstration of CI/CD ready practices
- Ideal for showcasing integration between modern frontend tooling and Python backend services

SKILLS

Programming Languages: Python, JavaScript, HTML/CSS, SQL, Bash

Web Development: React, Django, REST APIs, HTTP/HTTPS, Responsive Design

Databases: MySQL, PostgreSQL, SQLite, Basic Database Design

Version Control: Git, GitHub, Basic Git Workflows

Containerization: Docker, Docker Compose, Basic Container Management

Web Servers: Nginx, Apache, Basic Server Configuration

Operating Systems: Linux (Ubuntu, Debian), Windows, Command Line/Terminal

Tools & Platforms: VS Code, LaTeX, Basic CI/CD Concepts

Soft Skills: Problem Solving, Documentation, Team Collaboration, Continuous Learning

EDUCATION

Maharshi Dayanand University

Bachelor of Technology in Computer Science

2023 - 2026

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

Diploma in Mechanical Engineering

2020 - 2023

CGPA: 8.0/10

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