Abhinav Singh

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Motivated and detail-oriented Computer Science graduate with hands-on experience in DevOps tools like Docker, Jenkins, and Git. Proficient in Linux system administration and CI/CD pipeline automation. Completed multiple personal and academic projects involving cloud infrastructure and scripting. Eager to apply technical knowledge and a strong learning mindset in a dynamic DevOps environment.

EDUCATION

Bachelor of Computer Application in Computer Application

Netaji Subhas University • Jamshedpur, Jharkhand • GPA: 6.7 • 09/2021 - 07/2024

Matriculation

Gayatri Shiksha Niketan School • Jamshedpur • GPA: 7.0

Intermediate

Co-operative College • Jamshedpur, Jharkhand • GPA: 5.2

PROJECTS

DevOps Pipeline for MERN Job Portal • 03/2025 - 05/2025

Tools Used: Jenkins, Docker, Kubernetes, GitHub, Terraform, AWS

- Designed and implemented a CI/CD pipeline for a MERN-based job portal application
- Containerized the application using Docker and deployed on Kubernetes cluster (minikube)
- Configured Jenkins jobs to automate build, test, and deployment processes
- Used Terraform to provision AWS EC2 infrastructure
- Improved deployment efficiency by 60% and reduced manual intervention

Chatbot using NLP • 01/2025 - 03/2025

Tools Used: Python, Flask, Docker, Git, AWS

- Built and deployed an NLP-based chatbot capable of answering job interview questions
- Containerized the model and deployed using Flask on AWS EC2 instance
- Integrated MLflow for experiment tracking and model versioning
- Implemented logging, model monitoring, and rollback strategy
- Received positive feedback from professors for solving a real-world interview challenge

SKILLS

- DevOps & Cloud: Docker, Kubernetes, Jenkins, Git, GitHub, AWS, Terraform, Ansible
- Monitoring & Logging: Prometheus, Grafana
- Programming & Scripting: Python (Basics), Shell Scripting
- Methodologies: Agile, CI/CD, Infrastructure as Code
- Others: Linux System Administration, Flask