Sanjay Singh Panwar

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Location - Mandsaur, Madhya Pradesh

PROFILE SUMMARY

Entry-level **DevOps Engineer** with practical experience implementing **CI/CD pipelines** using **Docker, Jenkins, GitHub Actions**, and deploying applications on **AWS EC2**. Skilled in **Linux system operations**, **Bash scripting**, and version control with **Git/GitHub**. Built and containerized multiple applications, reducing deployment errors by **80%**. Looking to contribute to automated, scalable, and secure DevOps solutions.

EDUCATION

Bachelor of Computer Applications (BCA)
Mandsaur University, Mandsaur, Madhya Pradesh   **2023 - 2026**

Technical Skills

- ➤ Operating Systems: Linux (Ubuntu)
- ➤ Version Control: Git, GitHub
- ➤ CI/CD Tools: Jenkins, GitHub Actions
- ➤ Scripting: Bash
- ➤ Containerization: Docker
- ➤ Cloud Services: AWS (EC2, IAM, S3, Route 53)
- ➤ Security and Compliance: - AWS IAM

PROJECTS

1. DevOps CI/CD Pipeline with Flask App :
Tools: Jenkins, Docker, GitHub, AWS EC2, Flask

➤ Built a CI/CD pipeline using Jenkins, reducing manual deployment time by **80%**. ➤ Deployed Flask web app on AWS EC2, handling **100+ test user sessions** with stable uptime.

➤ Configured GitHub webhook for automated deployment, saving **3–4 hours/week** on manual tasks.

2. Dockerized Portfolio Deployment :
Tools: Docker, GitHub, Flask

➤ Containerized a portfolio app using Docker, achieving **100% environment consistency** across dev and production.

➤ Reduced setup time from **1 hour to under 5 minutes** using Docker Compose.

3. GitHub Actions for Automation :
Tools: GitHub Actions, Docker

➤ Automated testing and deployment pipelines with GitHub Actions, cutting integration errors by **90%**.

➤ Executed 10+ successful builds per week, ensuring pipeline stability and rapid feedback.

4. Shell Script Automation Practice
Tools: Bash, Linux

➤ Wrote **10+ Bash scripts** to automate routine system administration tasks.

➤ Automated file backups, user creation, and Deletion, reducing manual workload by **70%**.

➤ Scheduled **daily cron jobs** for disk cleanup and log rotation, improving server performance.

➤ Practiced permissions, process management, and troubleshooting using real-world examples on Ubuntu VM.

5. GitHub Project Management
Tools: Git, GitHub

➤ Used commit messages and changelogs to maintain version history, improving traceability by **100%**.

➤ Integrated GitHub Actions for one project, running automated builds on every push to main.

➤ Managed **3+ DevOps projects** using GitHub with proper branching strategies (feature, dev, main)