Natasha Aggarwal

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DevOps | Cloud Engineer

DevOps-focused BCA student with Java/C coding, Linux admin, and automation experience (Docker, AWS, Streamlit). Builds secure mini-apps and scripts to optimize workflows; strong CS fundamentals.

PROFESSIONAL EXPERIENCE

Pinnacle Labs,
Intern (Assistant software engineer)

Vivekananda Global University, Jaipur
August 2023 – September 2023

- Gained hands-on experience with **cloud technologies** and **server optimization strategies**.
- Designed and implemented conceptual **load balancing techniques** to **enhance application** performance.

Linux world Technologies
Intern (Trained in DevOps | AWS | Docker | Streamlit)
Summer Training Internship

Learn and Built, Jaipur
June 2025 – August 2025

- **Designed** and **deployed containerized** applications using **Docker**, improving environment consistency and reducing deployment errors.
- Implemented **CI/CD workflows** for automated build and deployment, ensuring faster and more **reliable delivery** of applications.
- Configured and managed **AWS services** (EC2, S3, IAM) to host applications and optimize resource utilization.
- **Developed interactive dashboards** and automation scripts using **Streamlit and Python**, **streamlining monitoring** and **reporting tasks**.

PROJECTS

Automated Flask Application Deployment Using Jenkins, Docker & GitHub(**Git**)

- Built a **complete CI/CD pipeline** for a Flask web application using Jenkins, Docker, and GitHub.
- Implemented SCM Polling to **automatically trigger builds** on every code push.
- Created a Dockerfile to containerize the Flask application and pushed the image to Docker Hub.
- Configured **Jenkins Pipeline for automated stages** — code pull, image build, push, and container deployment.
- Automated end-to-end deployment, **ensuring continuous delivery** with minimal manual intervention.

AWS Load Balancing Project(**Git**)

- Deployed a web app on multiple **AWS EC2** instances with ALB for traffic distribution,
- Implemented Auto Scaling, and automated server setup using bash scripts for **high availability and scalability.**

SKILLS

- **KEY SUBJECTS**: Devops, Cloud Computing, Linux OS
- **TOOLS AND TECHNOLOGIES** - Shell Scripting, Python, Docker, Linux System Administration V9, Jenkins, Amazon Web Services (AWS) , Kubernetes

EDUCATION

Vivekananda Global university, Jaipur
Bachelor of Computer Application
currently holding Average (CGPA) - 9

Aug 2023 - Present

LEADERSHIP EXPERIENCE

Class representative - Played a Significant role to manage and schedule classes on time. It also encouraged my communication skills as well.
Hackathon Participation - Led a cross-functional team during hackathon