[SAGAR PANDEY]

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Motivated and tech-driven aspiring DevOps Engineer with hands-on experience in containerization, CI/CD pipelines, cloud deployment, and Infrastructure as Code. Passionate about automation, scalability, and modern software delivery practices. Completed multiple projects using Kubernetes, Docker, AWS (ECS, EC2, S3), Terraform, Ansible, Jenkins, and GitHub Actions. Committed to continuous learning and advancing toward an expert-level DevOps career.

TECHNICAL SKILLS

Cloud & Compute : AWS (EC2, ECS, S3), Kubernetes, Docker
Infrastructure as Code : Terraform, Ansible
CI/CD & Automation : Jenkins, GitHub Actions, GitLab CI/CD, Vercel
Version Control : Git, GitHub, GitLab
Scripting & OS : Bash, Linux (Ubuntu), TypeScript, YAML
Monitoring & Tools : ngrok, Webhooks, Load Balancing, Health Checks

PROJECTS (Hands-on DevOps Experience)

Kubernetes Cluster Implementation
- Deployed and managed containerized applications using core Kubernetes components (Pods, Deployments, Services).
- Wrote practical YAML configurations to demonstrate scaling, self-healing, and rolling updates.

CI/CD Pipeline with Jenkins + GitHub Webhooks + AWS EC2 + Docker
- Built an end-to-end CI/CD pipeline triggered by GitHub webhooks on an Ubuntu EC2 instance.
- Automated build and deployment using Docker containers, reducing manual intervention.

Terraform Infrastructure as Code (IaC)
- Created production-ready infrastructure modules using HCL (HashiCorp Configuration Language).
- Provisioned AWS resources (EC2, S3, etc.) with reusable, version-controlled Terraform scripts.

AWS ECS Container Orchestration
- Deployed a Docker container using AWS ECS with task definitions, services, and application load balancing.
- Configured health checks to ensure high availability of the containerized application.

CI/CD Auto-Deploy to Vercel
- Automated deployment pipeline from GitHub to Vercel using CI/CD workflows .

Jenkins Local Test with ngrok
- Set up Jenkins locally and exposed it via ngrok for temporary public webhook testing.

EDUCATION

BSc. CSIT (Computer Science & Information Technology) 2022 – 2026
Kathmandu BernHardt College, Kathmandu

NEB (10+2) 2020 – 2022
Morgan International College, Basundhara, Kathmandu