NAVAB DARVESHALI

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Summary

Highly motivated and detail-oriented Computer Science graduate with a strong passion for DevOps principles and cloud automation. Seeking an entry-level DevOps Engineer role to apply hands-on skills in CI/CD, containerization with Docker, and Infrastructure as Code with Terraform. Eager to contribute to building and maintaining scalable and reliable systems.

Technical Skills

- **Cloud Platforms:** AWS (EC2, S3, RDS, VPC, IAM,EKS)
- **Containerization & Orchestration:** Docker, Kubernetes (K8s), Docker Compose
- **CI/CD:** GitHub Actions,Jenkins, GitLab CI
- **Infrastructure as Code (IaC):** Terraform, Ansible
- **Monitoring & Logging:** Prometheus, Grafana
- **Scripting & Programming:** Python, Bash, Java, JavaScript
- **Operating Systems:** Linux (Ubuntu, Mac), Windows
- **Version Control:** Git, GitHub
- **Other Tools:** Nginx, SonarQube, Trivy, Nexus, Maven, Nodejs

Projects

1. Three-Tier Application Deployment on AWS EKS [GitHub Link]

- Deployed a **three-tier application** (React frontend, Node.js backend, MongoDB database) on **AWS EKS** using **Kubernetes** for scalability and high availability.
- **Containerized** all components with **Docker** and used **AWS EBS** for persistent storage and **AWS Secrets Manager** for secure secret management.
- Configured **auto-scaling** and exposed the application using **AWS Load Balancer**, assigning a DNS for user access.
- Implemented **rolling updates deployment strategy** and monitored system performance using **Prometheus** and **Grafana** for reliability.
- Implemented **GitOps workflow** with **ArgoCD**, making Git the single source of truth for automated deployments.

2. DevSecOps Wanderlust-Mega-Project AWS EKS [GitHub Link]

- Integrated **SonarQube**, **OWASP**, & **Trivy** scans in the **Jenkins** pipeline, creating multi-stage security gates to block code, dependency, and image vulnerabilities.
- Enabled seamless **GitOps** deployments via **ArgoCD**, automating cluster synchronization from GitHub for 100% reliable and auditable releases.
- Established end-to-end observability with **Prometheus** & **Grafana**, enabling real-time monitoring and immediate email alerts for faster incident detection.
- Fully automated the 'commit-to-deploy' lifecycle, orchestrating **CI** (build, scan) and **CD** (GitOps sync) with a decoupled, trigger-based Jenkins pipeline.

3. Infrastructure as code (IAC) [GitHub Link]

- Implemented a collision-proof Terraform workflow using DynamoDB state locking, enabling safe, concurrent infrastructure changes for developer teams.
- Engineered a scalable AWS backend for Terraform, using S3 for persistent remote state storage and DynamoDB to prevent state file corruption.
- Automated the provisioning of EC2 instances and Security Groups, creating a 100% repeatable and auditable Infrastructure as Code (IaC) process.

Education

B. Tech in Computer Science and Cyber Security
Malla Reddy Engineering College   **2025**
CGPA: 7.75/10