

# SYED AYAAN ALI

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## Summary

**Detail-oriented DevOps Engineer** with hands-on experience in **AWS services (EC2, S3, IAM, VPC)**. Skilled in **Docker, Kubernetes, Terraform, and CI/CD pipelines**, with a strong focus on automating deployments and managing cloud infrastructure. Proficient in monitoring systems using **Prometheus and Grafana**, contributing to efficient DevOps practices. Committed to enhancing collaborative environments and driving scalable solutions.

## Skills

AWS (EC2, S3, IAM, VPC) • Docker • Kubernetes • Terraform • GitHub • GitHub Actions • Prometheus • Grafana • Python

## Experience

### KUBICL

DevOps Engineer Intern

02/2025 - 05/2025

- Acquired hands-on experience with **AWS, Docker, Kubernetes, Terraform, Git, and GitHub Actions** to automate and optimize **deployment workflows**.
- Provisioned and managed **cloud infrastructure** using **Terraform**, ensuring **scalable and consistent environments**.
- Deployed applications using **Docker containers** and orchestrated workloads with **Kubernetes clusters**.
- Assisted in building and optimizing **CI/CD pipelines** for **continuous integration and automated deployment**.
- Contributed to **monitoring and observability** setup using **Prometheus and Grafana** for proactive **performance tracking**.

## Projects

### Cloud-Native Microservices Deployment using AWS, Docker, Kubernetes & Terraform

- Containerized multiple microservices using **Docker** and pushed images to a **centralized container registry**.
- Provisioned **AWS infrastructure** using **Terraform** with **remote state storage in S3 and DynamoDB**.
- Deployed microservices on **Kubernetes** and configured an **Ingress Controller** to expose the application through a **single HTTP entry point**.
- Implemented **CI automation** using **GitHub Actions** to **build, test, and publish Docker images** on every code push.
- Integrated **ArgoCD** for a **basic GitOps workflow**, enabling **automated synchronization** of Kubernetes deployments from GitHub.

### End-to-End CI/CD Pipeline using GitHub Actions, Docker & Terraform

- Containerized the application using **Docker** and automated image builds with **GitHub Actions** on every code commit.
- Implemented a **CI workflow** to run **unit tests, linting, and basic security scans** before deployment.
- Automated the deployment pipeline by integrating **Terraform** to provision infrastructure as code, ensuring **consistent and repeatable environments**.

### Monitoring & Alerting Stack using Prometheus and Grafana

- Deployed **Prometheus** and **Grafana** to collect, store, and visualize **application and infrastructure metrics**.
- Configured **Alert Manager** for **real-time alerts** based on CPU usage, memory usage, and **pod health thresholds**.
- Created **Grafana dashboards** to monitor **latency, resource utilization, uptime, and request rates**.

## Education

Sagar Institute of Research and Technology - Excellence

2021 - 2025

Bachelor of Technology in Computer Science and Engineering | CGPA: **7.49** / 10

Little Angels H.S. School, Bhopal

2019 - 2020

Higher Secondary Education

## Key Achievements

### State-Level Cricket Player

Represented at the state level, demonstrating strong teamwork, strategic thinking, and perseverance in competitive environments.