

Sameer Khan

Email: sameer.khan.ug22@nsut.ac.in — Phone: +91-8829994381 — LinkedIn

Education

Netaji Subhas University of Technology (NSUT), New Delhi, India
Bachelor of Technology in Information Technology

2027

Indian International School, Al Jubail, Saudi Arabia
High School Education

Skills

Cloud & DevOps: AWS, Oracle Cloud, Azure, Terraform (Infrastructure as Code), Docker, Kubernetes

Databases: AWS DynamoDB

CI/CD: GitHub Actions (build, test, Docker image creation, deployment)

Monitoring & Logging: AWS CloudWatch (logs, metrics, alarms)

Networking: TCP/IP, DNS, Load Balancing, Subnetting, Firewalls, Security Groups

Operating Systems: Linux (Red Hat)

Programming Languages: Python, C++

Version Control: Git, GitHub

Certifications

- AWS Certification (Coursera) - XY9C03UCAK6D
- Oracle Cloud Certification - 323471044OCI25DOPOCP

Internship Experience

Saudi Binladin Group, Saudi Arabia
IT Intern

- Assisted in managing, configuring, and troubleshooting enterprise-level networking infrastructure.
- Worked with Linux-based systems in IT operations and support environments.
- Gained hands-on exposure to large-scale corporate IT systems and network operations.

Projects

High-Availability 3-Tier Cloud Application on AWS

AWS (EKS, ECR, CloudWatch), Terraform, Docker, Kubernetes, GitHub Actions, Python, React

- Architected a fault-tolerant 3-tier microservices application (React, Python, PostgreSQL) on AWS EKS, achieving **99.9% availability** using multi-AZ node deployments and Kubernetes auto-scaling.
- Engineered reusable Terraform modules to provision VPCs and EKS cluster infrastructure, reducing environment provisioning time by **85%** (from 4 hours to 35 minutes) and eliminating configuration drift.
- Optimized container artifacts using Docker multi-stage builds, reducing final image sizes by **60%** (from 800MB to 320MB) and improving cluster image pull times.
- Built a robust CI/CD pipeline using GitHub Actions to automate testing and deployment, cutting release cycles from manual daily builds to a **15 minute commit-to-deploy workflow**.
- Implemented centralized observability with AWS CloudWatch Container Insights and custom alarms, reducing Mean Time to Detect (MTTD) critical errors by **50%**.

Positions of Responsibility

Volleyball Captain, Netaji Subhas University of Technology

- Led NSUT volleyball team in inter-university and national-level tournaments.
- Represented NSUT across multiple locations, developing leadership and team coordination skills.

Fine Arts Event Coordinator, Moksha – Annual Cultural Festival, NSUT

- Coordinated fine arts events for Moksha, one of the largest college cultural festivals in India.
- Managed event logistics, scheduling, and cross-team coordination for smooth execution.