

MUHAMMAD AHMED

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PROFILE SUMMARY:

Experienced in CI/CD, AWS, Docker, and automation. Skilled in deploying containerized applications on AWS EC2, managing cloud infrastructure, and streamlining development workflows through automated CI/CD pipelines.

SKILLS:

- **Cloud Platforms:** AWS
- **Containers & Orchestration:** Docker, Kubernetes
- **CI/CD Tools:** Jenkins, GitHub Actions, GitLab
- **Infrastructure as Code:** Terraform, Ansible
- **Monitoring & Logging:** Prometheus, Grafana
- **Code Quality Tools:** SonarQube
- **Operating Systems:** Linux

EXPERIENCE:

DevOps Engineer Intern – Coventech | June 2025 – Present

- **Implemented CI/CD Pipelines:** Built CI/CD pipelines using Jenkins and GitHub Actions to automate production deployments, reducing deployment time by 60% and minimizing manual errors.
- **AWS Infrastructure Optimization:** Optimized AWS infrastructure to reduce cloud costs by 45%, improving resource utilization and system performance.
- **Docker Multi-Container Management:** Managed and deployed multi-container applications using Docker Compose, streamlining microservices orchestration and improving scalability across environments.
- **EC2 to Lambda Migration:** Migrated application infrastructure from AWS EC2 to AWS Lambda with API Gateway, integrated S3 for asset storage, configured CloudFront for global content delivery, and transitioned database to Neon, improving scalability, reducing operational overhead, and lowering hosting costs.

PROJECTS

- **Jenkins CI/CD Pipeline:** Implemented a Jenkins-based CI/CD pipeline integrated with GitHub, deployed using Docker on AWS EC2 for automated production deployments.
- **AWS Auto Scaling Infrastructure:** Deployed a scalable web application using AWS EC2 Auto Scaling Groups, Application Load Balancer (ALB), and a custom VPC for high availability and secure networking.
- **Flask App with Docker:** Containerized and deployed a Flask application using Docker Compose on AWS EC2, improving deployment efficiency and portability.
- **Ansible & SonarQube Deployment:** Automated infrastructure setup using Ansible to deploy SonarQube with Docker Compose, enabling continuous code quality analysis.

EDUCATION:

Sir Syed University of Engineering and Technology
Bachelors in Computer Engineering (2022–2026)

CERTIFICATION:

- AWS Cloud Technical Essentials – Core AWS services and cloud concepts
- Introduction to DevOps – Fundamentals of DevOps practices and principles
- Cloud Computing Foundation – Core concepts of cloud computing