

# ANIRUDH TRIVEDI

Cloud & DevOps Engineer | AWS Certified  
Data Engineering Enthusiast | Building Scalable  
Solutions on AWS & GCP & Azure



+91-9039825342 | anirudhtrivedi3014@gmail.com | Niharika, Korba, Chhattisgarh  
LinkedIn: <https://www.linkedin.com/in/anirudh-trivedi-4414b9244/> | GitHub:  
<https://github.com/Ace12Anirudh> | Portfolio: [Ace12Anirudh](#)

## PROFESSIONAL SUMMARY

**AWS Certified Cloud & DevOps Engineer | Computer Science Graduate (2025)** High-performing DevOps Engineer with a B.Tech in Computer Science and hands-on expertise in **AWS, Kubernetes, and Infrastructure as Code (Terraform)**. Proven track record of designing secure, scalable **CI/CD** pipelines (**Jenkins, GitHub Actions, ArgoCD**) and reducing deployment times by up to 60% in project environments. Skilled in **DevSecOps** practices and actively seeking to leverage strong cloud architecture skills to drive operational excellence.

## SKILLS INVENTORY

- Cloud Computing:** AWS (EKS, ECS Fargate, Lambda, RDS, DynamoDB, S3, IAM, API Gateway), GCP (GKE, Cloud Run, Functions, Cloud Storage, Databases, Networking), Azure (Functions, Storage, Databases, Core Services).
- DevOps & Automation:** CI/CD (GitHub Actions, Jenkins, ArgoCD), Infrastructure as Code (Terraform, Ansible), Linux/Bash, Trivy, SonarQube.
- Containerization:** Docker, Kubernetes.
- Languages & Databases:** Python, SQL (MySQL, PostgreSQL), JavaScript, HTML/CSS.
- Soft Skills:** Collaborative Problem Solving, Documentation, Adaptability, Teamwork, Leadership.

## PROJECTS

### Project 1: Automated Full Stack MERN Application DevSecOps Deployment

**Tech Stack:** AWS (EKS, ECR, VPC, ALB, EC2), Kubernetes, Docker, Terraform, Jenkins, ArgoCD, SonarQube, Trivy.

**Architecture Flow:** Internet → AWS ALB → NodePort Svc (Private Nodes) → Backend API Pods → MongoDB StatefulSet.

**CI/CD:** GitHub → Jenkins (SonarQube + Trivy) → AWS ECR → ArgoCD → AWS EKS Cluster.

#### Project Details:

- Architected a secure, high-availability Kubernetes cluster on AWS using Terraform to provision 25+ resources (VPC, Subnets, Node Groups), reducing infrastructure provisioning time by 60% compared to manual setup.
- Established a robust DevSecOps pipeline using Jenkins, integrating SonarQube and Trivy to scan for vulnerabilities, successfully blocking 100% of critical CVEs and improving code quality scores by 25% before deployment.
- Implemented GitOps automation using ArgoCD to synchronize Kubernetes manifests, which cut deployment turnaround time from 20 minutes to under 5 minutes and eliminated 95% of configuration drift errors.
- Resolved critical Ingress controller failures by engineering a dedicated AWS Application Load Balancer strategy, restoring 100% of external traffic flow and ensuring 99.9% application availability across multiple availability zones.

### Project 2: Microservices Deployment Project

**Tech Stack:** AWS (EKS, ECR, RDS), Kubernetes, Docker, GitHub Actions, ArgoCD, Grafana, Kibana.

**Architecture Flow:** Internet → AWS ALB → K8s Frontend Svc → K8s Backend Svc → AWS RDS (Private)

**CI/CD:** GitHub → GitHub Actions → AWS ECR → ArgoCD → AWS EKS Cluster

#### Project Details:

- Deployed frontend and backend microservices on AWS EKS using Kubernetes objects like Pods and LoadBalancers to maintain stable traffic flow and 99% application uptime.

- Built a CI/CD pipeline using GitHub Actions to automate image builds to ECR, and set up ArgoCD for continuous delivery, which reduced manual deployment efforts by 40%.
- Configured Grafana for system metrics and Kibana for log analysis to monitor cluster health, helping reduce the time needed to detect errors by roughly 30%.
- Connected the backend to a managed AWS RDS instance to handle persistent data storage for shopping transactions and user inventory securely.

### Project 3: Full Stack AWS EKS Deployment

**Tech Stack:** AWS (VPC, EKS, EC2, RDS MySQL, IAM), Terraform, Kubernetes, Docker, GitHub Actions, Prometheus, Grafana, Alertmanager.

**Architecture Flow:** Internet → ALB → K8s Frontend Svc → K8s Backend Svc → RDS MySQL (Private)

Admin → Bastion Host → Private K8s Nodes

### Project Details:

- Provisioned a production-grade, 3-tier infrastructure using Terraform to automate the setup of VPC, EKS, and RDS, reducing environment provisioning time by **60%** and ensuring **100%** configuration consistency.
- Orchestrated containerized applications on AWS EKS with auto-scaling to maintain **99.9%** application uptime and integrated GitHub Actions to cut deployment lead time by **40%**.
- Integrated Prometheus, Grafana, and Alertmanager to visualize **50+** system metrics, improving incident detection time (MTTD) by **35%** through proactive alerting.

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## INTERNSHIPS

### Data Analyst Traineeship | MedTourEasy

Aug 2025 - Sep 2025

- **Python Development:** Utilized **Python** libraries to analyze complex data sets and build prediction models, ensuring code quality and consistency.
- **Improvement:** Contributed to service improvement initiatives by identifying data patterns that increased forecast accuracy by **82%**.

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## CERTIFICATIONS & TRAINING

- **AWS Certified Cloud Practitioner | AWS**
- **Preparing for Google Cloud Certification: Cloud DevOps Engineer | Coursera**
- **Oracle Cloud Infrastructure Certified DevOps Professional | Oracle**
- **Google Data Analytics Professional Certificate | Coursera**
- **Microsoft Azure Fundamentals (AZ-900) | Microsoft**
- **Machine Learning with Python | Coursera** (Completed: Sep 2024)
- **Gen AI: GDL** (Completed: May 2024)

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## EDUCATION

### B.Tech in Computer Science | Chhattisgarh Swami Vivekanand Technical University (CSVTU), Bhilai

Graduation: 2025 | CGPA: 8.5

### 12th Board - Science | CGBSE, Blue Bird Public School

Completed: 2021 | Score: 92%

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## VOLUNTEER EXPERIENCE

### NSS President | NSS, CEC, Bilaspur

- Led and mentored a 200+ member unit, boosting active volunteer participation by 30% through strategic outreach and engagement programs.
- Organized and executed over 12 community service projects, including a blood donation camp that collected 150+ units of blood.