

# AMITABH JAYRAM PRASAD SONI

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## PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with expertise in CI/CD automation, infrastructure as code, and cloud technologies. Skilled in implementing secure, scalable solutions using AWS, Kubernetes, and container technologies. Adept at bridging development and operations teams to deliver high-performance applications with 99.9% uptime and 40% faster deployment cycles.

## EDUCATION

### Ghanshyamdas Saraf College

Bachelor of Science in Information Technology, GPA: 9.9(1<sup>ST</sup> YEAR)

Malad, Mumbai

Jun 2023 – Apr 2026

### Shree Shankar Narayan College

HSC, GPA: 89.3%

Bhayandar, Mumbai

Jun 2021 – Feb 2023

### J.H.PODDAR HIGH SCHOOL

SSC, GPA: 89%

Bhayander, Mumbai

Jun 2020

## WORK EXPERIENCE

### TrainWithShubham

DevOps Engineer

Remote

Dec 2024 – Present

- Automated CI/CD pipelines for 5+ projects, reducing deployment time by 40% and eliminating manual errors
- Engineered infrastructure as code solutions using Terraform and Ansible, resulting in 60% faster environment provisioning
- Implemented containerization strategy using Docker and Kubernetes, improving application scalability by 35%
- Developed monitoring dashboards with Prometheus and Grafana, increasing system visibility and reducing MTTR by 25%
- Contributed 15+ pull requests to community projects, focusing on security enhancements and performance optimization
- Mentored 20+ learners on DevOps best practices, achieving 95% satisfaction rating based on feedback surveys

## TECHNICAL SKILLS

### Infrastructure & Cloud

AWS (EC2, EKS, S3, CodePipeline, IAM), Terraform, Ansible

### Containerization & Orchestration

Docker, Kubernetes, ArgoCD

### CI/CD & Automation

Jenkins, GitHub Actions, AWS CodePipeline, Shell scripting

### Security & Compliance

OWASP ZAP, Trivy, AWS Security Group management, SonarQube, etc.

### Monitoring & Observability

Prometheus, Grafana,

### Version Control & OS

Git, GitHub and Linux (Ubuntu, RHEL)

## PROJECTS

### DevSecOps Banking Application on AWS EKS

- Engineered a secure, multi-tier banking application on AWS EC2 leveraging EKS (Kubernetes) and Docker, achieving 99.9% uptime
- Integrated OWASP ZAP and Trivy within CI/CD pipelines, reducing security vulnerabilities by 75% and ensuring compliance
- Implemented auto-scaling policies that handled 200% traffic spikes without performance degradation
- Utilized Jenkins, Terraform, Prometheus, and Grafana for end-to-end automation, reducing deployment time from 2 hours to 15 minutes

### DevSecOps Google Gemini Clone on AWS EKS

- Architected a Next.js-based Gemini Clone with AWS EKS and Docker containerization, achieving seamless GitOps deployment with 99.9% reliability
- Integrated SonarQube, OWASP, and Trivy security scanning in Jenkins CICD pipeline, reducing vulnerability exposure by 80% in production deployments
- Implemented ArgoCD-based GitOps workflow with automated rollbacks, decreasing deployment failures by 95% and recovery time by 85%
- Established comprehensive observability using Prometheus and Grafana, enabling 70% faster incident detection and resolution time

### Multi-Environment Infrastructure as Code (IaC)

- Developed a scalable infrastructure for development, staging, and production environments using Terraform and Ansible, supporting 3 concurrent application versions
- Reduced environment provisioning time by 70% through automation, from 1 day to under 2 hours
- Implemented infrastructure testing with Terratest, catching 95% of configuration issues before production deployment
- Established GitOps workflow that improved collaboration between development and operations teams, reducing cross-team friction by 40%

### AWS CodePipeline-Driven Deployment for Node.js ToDo Application

- Implemented a CI/CD pipeline using AWS CodePipeline, reducing manual deployment steps by 90%
- Achieved zero-downtime deployments through blue-green deployment strategy
- Automated testing coverage verification, maintaining a minimum of 85% code coverage
- Reduced deployment failures by 60% through comprehensive pre-deployment validation checks

### Continuous Deployment & Infrastructure Automation for Online Shop using GitHub Actions

- Automated the deployment process of an ecommerce web application via GitHub Actions, reducing release cycle time by 50%
- Implemented infrastructure as code with Terraform, enabling consistent environment reproduction in under 30 minutes
- Configured comprehensive notification system that improved team response time to deployment issues by 75%
- Established a robust and repeatable deployment process that minimized downtime and improved overall system reliability by 80%

## ACHIEVEMENTS

### Google Arcade Premium Milestone

Secured a Premium Milestone in Google Arcade Program

Google Arcade Team

April 2025

### 1<sup>st</sup> Ranker

Secured top position in the 1st & 2nd year of college (both semesters).

College Principal

Dec 2024 - Dec 2025