

Namratha

DevSecOps Engineer
+91 6362807044

LinkedIn Profile

GitHub Profile

namratha343@gmail.com

EXPERIENCE

• DevOps Lead

Sept 2025 – present

DSCE

Bangalore

- Led the DevOps initiative for AIML Nexus, the department's AI-driven chatbot platform, deploying and managing scalable workloads on Kubernetes + ArgoCD with zero-downtime deployments.
- Architected and automated a full-stack CI/CD pipeline with Jenkins + SonarQube, enabling quality-gated releases and seamless GitHub integrations.
- Implemented end-to-end observability using Prometheus, Grafana, and OpenTelemetry, ensuring 99.9% uptime and real-time monitoring insights.

• SDE Intern

Jan 2025 -- Oct 2025

ISRO

Bangalore

- Led a team of 10 to enhance the Bhuvan website, ISRO's national geospatial platform, by developing a multilingual map translation system (English → Kannada) using PostGIS, vector tiles, and PostgreSQL.
- Containerized all services with Docker and deployed on servers, building dynamic APIs for machine translation with Redis caching for fast, accurate translations.
- Optimized system performance and data retrieval, enabling scalable multilingual map services and strengthening ISRO's geospatial technology offerings.

• Mentor

Jan 2025 — April 2025

Polytechnic Internship Mentorship

Remote

- Mentored 70+ students in full-stack MERN development, combining conceptual knowledge with practical coding and advanced industry-standard practices.
- Led student projects end-to-end, training them in scalable deployment strategies, automation, AI-assisted development, and monitoring/debugging techniques.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Go, Python, JavaScript, TypeScript, C/C++

DevOps Tools: Docker, Kubernetes, Jenkins, GitOps, Helm, SonarQube, Trivy, DevSecOps, HashiCorp Vault

Cloud & Infrastructure: AWS, GCP, Terraform, Ansible, Nginx , Linux (Ubuntu, CentOS), Bash/Shell scripting

Databases & Caching: MongoDB, Redis, RDS, DynamoDB, S3

Observability Tools: Prometheus, Grafana, Loki, EFK stack , OpenTelemetry

PERSONAL PROJECTS

– Three-Tier Architecture on AWS

Kubernetes, Jenkins, ArgoCD, AWS EKS, SonarQube, Trivy, Prometheus, Grafana – GitHub

- * Deployed a 3-tier full-stack app on AWS EKS with CI/CD (Jenkins + ArgoCD), achieving 90% uptime and automated continuous deployments.
- * Implemented DevSecOps (SonarQube, Trivy) and monitoring (Prometheus + Grafana), delivering secure, scalable, and reliable operations with enhanced user experience.

– MLOps + DevSecOps Infrastructure Project

Kubernetes, ArgoCD, Jenkins, Docker, Terraform, Prometheus, Grafana, Chaos Monkey – GitHub

- * Managed Kubernetes clusters on personal servers and deployed applications via ArgoCD with Jenkins CI/CD, using a custom DNS for seamless access, ensuring automated rollouts and high availability.
- * Implemented monitoring and observability (Prometheus, Grafana) and chaos testing with Chaos Monkey → proactive alerts, rapid issue resolution, and resilient server infrastructure.

EDUCATION

– Dayananda Sagar College of Engineering

2022 – 2026

B.E in Artificial Intelligence and Machine Learning

CGPA: 9.83

ACHIEVEMENTS

- Secured Top 6/244 teams in Argonyx RV Hackathon, with project chosen for patenting.
- Completed NPTEL certification in Cloud Computing and Distributed Systems from IIT Kanpur.
- Google Cloud Certified: Cloud Digital Leader – Credly.
- Built 10+ projects in DevOps and DevSecOps, including CI/CD, container orchestration, cloud automation, and security.