

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.