

# T Rahul Prabhu

DevSecOps Engineer

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## EXPERIENCE

### • DevOps Intern

June 2025 - present

PGAGI

Bangalore

- Architected a **multi-cloud infrastructure** across **AWS, Azure, and GCP** using **Terraform**, implementing **serverless technologies** that reduced infrastructure costs by **90%**.
- Containerized **microservices** with production-grade **multi-stage Dockerfiles**, ensuring **secure, scalable**, and consistent deployments across environments.
- Optimized processing of **6,000+ data records**, improving **system efficiency by 90%**, reducing scraping time by **85%**, and increasing overall **throughput**.
- Integrated **SonarQube** and **Trivy** into CI/CD pipelines, improving **code quality by 65%**, reducing **critical vulnerabilities by 80%**, and enhancing maintainability.
- Orchestrated workloads with **Kubernetes** and **AWS serverless**, enabling seamless auto-scaling, **zero-downtime** deployments, and cost-optimized blue-green releases.

### • SDE Intern

July 2024 – Present

ISRO

Bangalore

- Led a **10-member team** developing core features for **Bhuvan**, ISRO's indigenous alternative to Google Maps, demonstrating **technical leadership** and product ownership.
- Integrated **multilingual support** for 10+ regional languages, improving accessibility and driving a **45% increase** in user adoption.
- Built **scalable APIs** and geospatial data pipelines, improving map rendering speed by **60%**.

### Other Relevant Experience:

- **FullStack Mentor:** Guided and mentored **70+ students**, fostering strong coding practices and project-based learning aligned with industry standards.
- **SDE Intern – Germany:** Built an MVP within **2 months** by implementing core backend features, improving frontend performance by **30%**, and accelerating product launch readiness.

## TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, JavaScript , Go.

Database: MongoDB , Redis , RDS , DynamoDB , S3

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

Cloud Tools: Terraform , Ansible , Nginx , Terraform Cloud , AWS , GCP , Oracle Cloud , DigitalOcean.

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

## PERSONAL PROJECTS

### • Three-Tier Architecture on AWS

*Kubernetes, Jenkins, AWS EKS, SonarQube, Trivy – GitHub*

- A secure, scalable three-tier full-stack app on **AWS EKS** using **Kubernetes** and **Docker** improving latency.
- Implemented CI/CD pipelines with Jenkins, integrating SonarQube and Trivy for **code quality and security**.

### • StackOps

*MERN, Docker, Jenkins, Kubernetes – GitHub*

- Spearheaded a secure healthcare platform enabling role-based access to patient records via QR codes.
- Integrated GenAI for daily health checkups, automated reports, and wellness gamification.
- Developed with MERN stack, secured with AES-256 & JWT, and deployed on Docker + **Kubernetes**.

## EDUCATION

### • Dayananda Sagar College of Engineering

2022 – 2026

*B.E in Artificial Intelligence and Machine Learning*

CGPA: 9.11

## ACHIEVEMENTS

- Published & Patented research on **WAUTO DISPENSE** at the **ICMET Conference**.
- GSSoC'24: Ranked **35th** (peak: **1st**); contributed **90+ PRs** across 50+ repos. Earned all **4 Hacktoberfest badges**.
- **Google Cloud Certified:** Engineering Certificate – **Credly**.
- Built **10+** projects spanning DevOps and DevSecOps, covering CI/CD, container orchestration, cloud automation and security.
- Co-CTO at a stealth startup; led the design and development of an agentic cold-calling platform.