

T Rahul Prabhu

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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.