

R Ganesh Kumar

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PROFESSIONAL DESCRIPTION

Junior Infrastructure Engineer with hands-on experience designing, provisioning and maintaining cloud infrastructure across AWS and Azure using Terraform. Skilled in building and managing reusable infrastructure-as-code blueprints, automating Docker-based CI/CD pipelines with GitHub Actions and administering Linux servers in development and production environments. AWS Certified Cloud Practitioner with a practical foundation in cloud resource management, container workflows and secure deployment practices.

TECHNICAL SKILLS

- **Cloud & DevOps:** AWS, Azure, Linux, Bash, Docker, Kubernetes, Terraform, Jenkins, CI/CD, Github Actions
- **Programming & Technologies:** Python, React, NextJS, Flask, Git, SQL

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**
Issued by Amazon Web Services | [Certificate](#) | [Badge](#) Jun 2025
- **Docker Foundations Professional**
Issued by Docker | [Certificate](#) Mar 2025

EXPERIENCE

- **Guidehouse India Pvt Limited, Thiruvananthapuram** Aug 2025 – Present
Junior Infrastructure Engineer | Hybrid
 - Provisioned and maintained scalable Azure and AWS cloud infrastructure across multiple domains using reusable Terraform blueprints while managing end-to-end deployments across different environments for multiple project teams.
 - Designed and maintained a GitHub Actions-based automation framework to manage organizational codespace Docker images across multiple runtime environments, enabling event-driven builds based on Dockerfile changes, scheduled image patching and synchronization to GitHub Container Registry.
 - Maintained Linux-based Posit Connect server environments and hardened container deployments by identifying and remediating Dockerfile-level CVEs.
- **F13 Technologies, New Delhi** Aug 2024 – Nov 2024
AWS Cloud Intern | Remote
 - Gained hands-on experience with core AWS services, contributing to scalable cloud-based architectures by building a personalized Movie Recommendation System [MRS-AWS](#) and a serverless HR Management System [HRMS-AWS](#)

EDUCATION

- **Bachelor of Technology - Computer Science and Engineering** Cum. GPA: 9.5/10
SRM Institute of Science and Technology, Chennai 2020 – 2024

PERSONAL PROJECTS

- **GitOps-Driven Kubernetes Deployment with ArgoCD and Tekton** Jun 2025 - Jul 2025
Tools: Docker, K8s, ArgoCD, Tekton, PostgreSQL [\[🔗\]](#)
 - Containerized a Rails + PostgreSQL app using Docker Compose and deployed it on Kubernetes with StatefulSets. Automated CI/CD via Tekton and enabled GitOps-based deployment using ArgoCD and GitHub.
- **Real-Time Metrics Dashboard with Docker & CI/CD automation** Feb 2025 – Mar 2025
Tools: Flask, Docker, Redis, GitLab CI/CD [\[🔗\]](#)
 - Built a Dockerized Flask app with Redis for real-time system metrics and monitoring. Integrated GitLab CI/CD for automated testing and deployment of containerized services.
- **Cloud Infrastructure Automation using Terraform** Jan 2025 – Feb 2025
Tools: AWS, Terraform, Docker [\[🔗\]](#)
 - Automated infrastructure provisioning using Terraform and Docker to deploy a highly available AWS architecture, following IaC best practices for scalability and security