Sannidhi Durga Pavan Sriram

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SKILLS

Languages & OS: Python, Linux (Ubuntu)
Cloud: AWS (EC2, ASG, ALB, ECS Fargate, ECR, VPC, IAM, S3), Azure
IaC & Containers: Terraform, Docker
CI/CD: GitHub Actions, Jenkins, Git
Observability: Prometheus, Grafana, CloudWatch
AI Tooling: Claude Code, Antigravity CLI, FastAPI, Groq API
Working Knowledge: Kubernetes (Minikube), Helm, ArgoCD, Snyk, RHEL

EXPERIENCE

Infosys Springboard | AI Intern — Cloud Deployment Lead | Remote, BFSI | GitHub Feb – Apr 2026

- Evaluated AWS SageMaker and Lambda against EC2 for deploying the ML inference pipeline, selecting EC2 for full control over ML dependencies and to eliminate cold-start latency, then owned the resulting BFSI-sector AI KYC deployment architecture.
- Deployed a React/Vite frontend on S3 and a Flask-based ML microservice on EC2, integrating TFLite document classification, EasyOCR extraction, and a PyTorch GNN fraud scorer into a single inference pipeline.
- Led cloud deployment work for a 25-member cohort and resolved 14 tracked defects spanning Python and Node.js service boundaries.

PROJECTS

Observability Fargate | Prometheus, Grafana, ECS Fargate, Terraform | GitHub Apr 2026

- Designed a containerised observability pipeline on AWS ECS Fargate, running Prometheus and Grafana with zero EC2 instances.
- Provisioned the full AWS network and cluster stack (VPC, subnets, security groups, IAM roles) entirely through Terraform, integrating with a pre-existing ECR repository for container images.
- Configured a Grafana alert rule evaluating live request-rate metrics every minute, simulating real-time SRE incident detection.

AI Test Generator GitOps | FastAPI, Jenkins, Docker, Kubernetes, ArgoCD, Helm | App Repo | GitOps Repo Apr 2026

- Built a FastAPI microservice that converts Python functions into pytest test suites using Groq's LLaMA 3.1 model via structured prompting.
- Designed a Jenkins-to-ArgoCD GitOps pipeline enforcing a 70% coverage gate, tagging each build with a unique build-and-commit SHA and pushing to AWS ECR on every passing build.
- Achieved 87% test coverage against the enforced 70% CI gate, with Jenkins updating the GitOps chart's image tag on every passing build for ArgoCD to reconcile onto Kubernetes (Minikube) via Helm.

Self-Healing Microservice | Docker, Terraform, AWS, GitHub Actions, Snyk | GitHub Feb 2026

- Architected a three-layer self-healing system for a containerised microservice on AWS, combining health-endpoint checks, ALB-based traffic isolation, and Auto Scaling Group instance replacement.
- Provisioned a multi-AZ VPC, load balancer, and Auto Scaling Group via Terraform, enabling CPU-based scaling between 2 and 4 instances under load.
- Integrated Snyk dependency and Docker image scanning into the GitHub Actions pipeline, failing the build on high-severity vulnerabilities as an automated post-publish security checkpoint.

CERTIFICATIONS

- OCI 2025 Certified DevOps Professional | Oracle | Certificate | Sep 2025
- OCI 2025 Certified Observability Professional | Oracle | Certificate | Aug 2025
- OCI 2025 Certified Multicloud Architect Professional | Oracle | Certificate | Aug 2025
- OCI 2025 Certified Generative AI Professional | Oracle | Certificate | Aug 2025
- Microsoft Certified: Azure AI Fundamentals (AI-900) | Microsoft | Certificate | Jun 2025
- Microsoft Certified: Azure Fundamentals (AZ-900) | Microsoft | Certificate | Jan 2025

ACHIEVEMENTS

- Ranked Top 500 worldwide in Oracle's Race to Certification 2025, a contest ranking participants on average exam scores and number of certifications completed during the event.

EDUCATION

Lovely Professional University, Phagwara, Punjab Aug 2023 – May 2027
Bachelor of Technology, Computer Science and Engineering | CGPA: 7.33 | Minor: Cloud Computing