

SANJIT ACHARYA

M.S. Candidate & Cloud Software Engineer

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SUMMARY

Graduate student and Platform Engineer with 3+ years of experience building resilient, highly scalable Azure/GCP infrastructure and Internal Developer Platforms (IDP). Championed end-to-end CI/CD automation, achieving zero-touch deployments and reducing platform provisioning time by 60%. Deep expertise in container orchestration (Kubernetes) and ensuring 99.9% product availability through rigorous observability (Prometheus/Grafana) and incident response. Strong developer background in Python, Go, and Linux scripting. Certified Azure Administrator (AZ-104) and Terraform Associate.

EDUCATION

Texas A&M University Master of Science in Computer Engineering	Aug 2026 – Present College Station, TX
Siksha O Anusandhan University B.Tech, Computer Science & Engineering GPA: 3.2/4.0	2018 – 2022

CORE SKILLS

Cloud & Platform:	Microsoft Azure, GCP, AWS
Infrastructure (IaC):	Terraform, Ansible, KICS
CI/CD & Velocity:	GitHub Actions, Jenkins, Azure DevOps, GitLab
Containers:	Kubernetes, Docker, Helm
Programming:	Python, Go, Bash, PowerShell, Linux
Observability:	Prometheus, Grafana, Datadog, Azure Monitor

EXPERIENCE

Texas A&M University <i>Graduate Teaching Assistant</i>	Aug 2026 – Present College Station, TX
- Grade homework assignments and provide constructive feedback to support student academic progress. - Conduct regular office hours to assist students with coursework, clarify technical concepts, and resolve software engineering doubts.	
Ernst & Young (EY GDS) <i>Software Engineer (Promoted from Associate to Senior)</i>	Aug 2022 – Jun 2026 India

Platform & Reliability Impact:

- Engineered robust CI/CD pipelines (GitHub Actions, Jenkins, Azure DevOps) for multi-tier microservices, drastically accelerating developer velocity by cutting release cycles from 2 days to 2 hours and eliminating manual deployments.
- Architected and scaled Azure infrastructure as code using Terraform and Ansible (VNETs, Firewalls, Key Vault, AKS workloads, Helm), reducing environment provisioning time by 60% for engineering teams.
- Built an internal platform library of 15+ reusable Terraform modules (GKE, IAM, VPC/networking), driving 70% faster standardized GCP environment bootstrapping across multiple product squads.
- Treated Infrastructure as a Product by adding robust Terratest (Go) module tests and CI validation, dropping platform misconfiguration incidents by 50%.
- Ensured high availability and product reliability by establishing SLIs/SLOs with Prometheus, Grafana & Datadog; achieved 99.9% platform uptime and reduced MTTR by 50%.
- Led operational readiness (runbooks, alert tuning, release checklists) and owned incident triage/post-incident blameless reviews with cross-functional software teams.
- Shifted security left by integrating DevSecOps controls (Key Vault secrets + KICS IaC scanning) directly into developer workflows, blocking misconfigurations pre-production (0 Sev-1 incidents).
- Executed cloud operations maturity initiatives, optimizing architecture to drive a 35% reduction in technical debt/risk and yielding 20% savings in Azure compute costs.

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate (AZ-104) | HashiCorp Certified: Terraform Associate (002)