

# PRAVEEN A

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## SUMMARY

DevOps & Cloud Engineer with hands-on experience in CI/CD pipelines, containerized applications, and AWS deployments. Skilled in Docker, Jenkins, GitHub Actions, and Bash scripting, with strong focus on automation and scalability. Currently specializing in AWS while expanding into Oracle Cloud and Azure to deliver enterprise-grade solutions and drive innovation.

## EDUCATION

### Bachelor of Technology in Information Technology

K.S. Rangasamy College of Technology, Namakkal

CGPA: 7.8 / 10 | Expected Graduation: May 2027

## TECHNICAL SKILLS

**DevOps Tools:** Kubernetes, Docker, GitHub Actions

**CI/CD:** GitHub Actions, Jenkins Pipeline (Groovy – learning), Bash Scripting

**Cloud:** AWS (EC2, S3, RDS, Route53, IAM, CloudWatch, CloudFront, Auto Scaling, ALB, ACM), AWS CLI, Basics of Azure Services

**IaC:** Terraform

**Programming & Scripting:** Python, Bash

**Monitoring:** Prometheus and Grafana, Amazon CloudWatch

**Version Control:** Git, GitHub

**Operating Systems:** Linux (Ubuntu, Amazon Linux)

## INTERNSHIP

### Eduskill By Google AI/ML (Jul-Sep 2025)

Built robust CI/CD automation using GitHub Actions, Python to Streamlining ML Model Releases

Reduced build errors by approximately 30% via workflow optimization

Practiced Agile development and CLI tooling

## PROJECTS

### Re-Architected Scalable 3-Tier Web App on AWS

- Designed and deployed a cloud-native architecture using Route53, CloudFront, ALB, Auto Scaling
- Groups Integrated Amazon RDS, MQ, Memcached for service decoupling and performance Monitored
- App metrics with CloudWatch; stored build artifacts in S3.

### Self-Healing Infrastructure with Chaos Engineering

- Engineered a Zero-Touch Self-Healing Kubernetes Infrastructure using Go, Prometheus, & LitmusChaos.
- Automated recovery using a Kubernetes Scheduled Job and Bash script executing remediation actions.
- Validated resilience against simulated failures via SLO monitoring & Alertmanager.

### Containerized Python Web App with Docker & Docker Compose

- Created Dockerfiles for app (Tomcat), DB (MySQL), and frontend (NGINX)
- Built and tagged custom Docker images; orchestrated with Docker Compose
- Pushed images to DockerHub and verified multi-container functionality

## CERTIFICATIONS

- Oracle Cloud Infrastructure DevOps Professional 2025
- Oracle Database@AWS Architect Professional
- Getting Started with Git and GitHub – Udemy
- The Complete Terraform IaC Development Bootcamp – Udemy
- Privacy and Security in Online Social Media – NPTEL
- GitHub Foundations – GitHub

## LEADERSHIP & VOLUNTEERING

### Core Member, K.S. Rangasamy College of Technology

- Organized social drives & awareness campaigns
- Managed budgets & event logistics for 100+ attendees
- Built communication & teamwork skills