

# DEEPAK PATEL

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## Professional Summary

**DevOps Engineer** with hands-on experience designing **CI/CD** pipelines, deploying containerized workloads on **AWS EKS**, and automating infrastructure using **Terraform**. **Certified Kubernetes Administrator (CKA)** with strong practical exposure to cloud-native deployments and **observability-driven operations** through production-oriented projects.

## Experience

**Magic Bus India Foundation** — [🔗 View Certificate](#)

Jun 2024 – Sep 2024

*AWS re/Start Program – Trainee*

*On-site, Thane*

- Executed **cloud and DevOps workflows** in a structured training program delivered in collaboration with Accenture
- Built and deployed cloud-based workloads using **AWS EC2, VPC, IAM, and S3**
- Containerized applications using **Docker** and deployed them on **Kubernetes** as part of hands-on labs

## Technical Skills

**Cloud Services:** AWS (EC2, VPC, IAM, EKS, ALB, S3, Route 53, CloudWatch)

**Containerization & Orchestration:** Docker, Kubernetes

**CI/CD & GitOps:** Jenkins, GitHub Actions, Argo CD

**Infrastructure as Code:** Terraform, Ansible

**Monitoring & Observability:** Prometheus, Grafana, ELK Stack

**Programming & Scripting:** Python, Bash

**Version Control:** Git, GitHub

**Operating Systems:** Linux (Ubuntu)

## Projects

**1. DevSecOps Starbucks Clone Application** — [🔗 Code](#)    [🔗 Live](#)

- Built a **DevSecOps CI/CD pipeline** using **Jenkins** with 10+ stages, enforcing automated code quality and container security checks via **SonarQube** and **Trivy**
- Implemented multi-stage **vulnerability scanning** across source code and Docker images to prevent insecure workloads on **Amazon EKS**
- Automated Docker image build, registry push, and **Kubernetes deployments** for repeatable, zero-touch releases
- Enabled real-time **observability** by integrating **Prometheus and Grafana** for application and cluster monitoring

**2. OpenTelemetry E-Commerce Platform** — [🔗 Code](#)    [🔗 Implementation](#)

- Implemented **CI/CD and GitOps** workflows using **GitHub Actions** and **Argo CD** for zero-touch microservice deployments
- Deployed and operated 20+ **microservices on Amazon EKS** with controlled scaling and rollout strategies
- Provisioned **AWS infrastructure** including EKS, VPC, IAM, and ALB using **Terraform** to eliminate configuration drift
- Improved debugging and incident response through centralized **observability** using **Prometheus and Grafana**

## Certifications

**Certified Kubernetes Administrator(CKA)** – Linux Foundation (Score: 90%)

[🔗 View Credentials](#)

**AWS Certified Cloud Practitioner (CLF-C02)** – Amazon Web Services (Score: 84%)

[🔗 View Credentials](#)

## Education

**Master of Computer Application** – Thakur Institute of Management Studies, Mumbai

2026 (Pursuing)

**Bachelor of Science in Information Technology** – Anna Leela College, Mumbai

2024 (CGPA: 7.9)

## Activities & Achievements

- Share technical vlog on [Hashnode](#), documenting DevOps concepts and certification preparation
- Engage in **challenge-based DevOps learning**, consistently practicing tools and workflows through hands-on implementations
- Served 2 years in the **National Service Scheme (NSS)**, contributing to social welfare initiatives while developing teamwork, leadership, and organizational skills