

# Harshal Chikhale

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Aspiring DevOps Engineer with a passion for learning, skilled in automation, CI/CD, cloud, and containerization basics.

## Skills

**Automation** K8sgpt, Ansible, Prometheus  
**Cloud** Linode, GCP, AWS, GCP, Azure  
**Languages** Python, Bash, PHP, Shell Script, #.Net

**OS** Linux, Ubuntu, CentOS, Rhel9  
**Testing** Pytest, Docker, CircleCI, Jenkins, Kubernetes

## Experience

### DevOps Trainee

Sept 2021 – Present

Linux World Pvt.Ltd

Jaipur, India

- Designed and implemented CI/CD pipelines using Jenkins, GitLab CI, and CircleCI, automating build, test, and deployment workflows to improve release efficiency and minimize downtime.
- Implemented firewall rules to enhance network security and prevent unauthorized access
- Built and optimized end-to-end deployment pipelines using Jenkins and GitLab, enabling teams to release applications faster with reduced errors.
- Orchestrated application deployments on AWS EKS, ensuring high scalability and reliability for production workloads.
- Managed microservices-based architectures using Kubernetes and Docker, improving scalability and portability across hybrid cloud environments.
- Automated infrastructure provisioning using Ansible, Terraform, and AWS CloudFormation, ensuring compliance with IaC principles.
- Designed and implemented Python scripts for automating LVM partition management, achieving a reduction in manual intervention by 60 and saving the IT team over 10 hours per week in maintenance tasks.
- Gained Hands-on experience in multi-cloud deployment strategies, ensuring cross-platform compatibility and efficient resource allocation
- Worked with cloud platforms (AWS, Azure) to deploy and manage applications, integrating various services to achieve scalable and cost-efficient solutions.
- AWS, EC2, Lambda, S3, SQS, Kubernetes, Docker, Gitlab, Jenkins, Prometheus, Grafana, React, NPM, Terraform, Ansible.

## Education

### SGBAU Amravati

2021-2024

Bachelor of Engineering in Information Technology

Amravati, MAH

Minors: Operating Systems ; Cloud

### Shri R R Lahoti Science College Morshi

2021-2024

HSC

State Board

Grade 62.92

### National Cadet Corps (NCC)

2021-2023

- Participated in national-level camps like CATC, Leadership Camp, and Youth Exchange Program, demonstrating teamwork and discipline.

## Projects

### Container Management Tool Using Docker

Oct 2022

- Designed and developed a Container Management Dashboard with Docker as the backend, enabling efficient deployment and management of containers.
- We built a user-friendly Python-based interface to streamline container creation and management using custom base images.
- Automated container lifecycle processes, allowing users to launch new containers directly from the dashboard, reducing manual effort, and improving deployment efficiency.

### Kube-MERN Application

- Deployed a MongoDB database server on Kubernetes by writing and configuring custom YAML files, enabling a scalable and resilient backend for MERN stack applications.
- Gained hands-on experience in managing stateful applications on Kubernetes, showcasing expertise in container orchestration and cloud-native development.