

# Bhagyesh patil

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I approach every task with dedication and a strong desire to learn and grow. I'm focused on delivering quality outcomes while maintaining a collaborative attitude. I always aim to contribute positively to any environment and ensure my work reflects my commitment and hard work

## Projects

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### **E-Commerce Deployment: Microservices Architecture on AWS with EKS and CI/CD**

**Tools Used:** AWS, Docker, Jenkins, Kubernetes, EKS cluster, GitHub, kubectl, eksctl, Prometheus, Grafana

This project involved deploying a multi-tier e-commerce website using AWS EKS for Kubernetes orchestration. I containerized the application using Docker and managed its deployment and scaling through Kubernetes. The CI/CD pipeline was fully automated using Jenkins to handle code integration and deployment processes. Real-time monitoring was achieved using Prometheus and Grafana to ensure smooth operations and prompt issue resolution.

**GitHub Repo:** /bhagyesh98/micro-service-project.git

### **Netflix Deployment Automation with Terraform, Jenkins, and Ansible**

**Tools Used:** AWS, Terraform, Jenkins, Ansible, GitHub, Tomcat, Maven, S3, Prometheus, Grafana

This project focused on automating the deployment of a Netflix-like application on AWS infrastructure. I used Terraform to provision EC2 instances and set up the necessary AWS resources, while Jenkins handled the continuous integration and deployment processes. Ansible was used to automate the configuration management of servers. Additionally, I integrated Prometheus and Grafana for system monitoring to ensure high availability and performance.

**GitHub Repo:** /bhagyesh98/Devposproject-terraform-ansible-jenkins

## Skills

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**Cloud Platform:** AWS (EC2, S3, EKS, VPC, IAM, R53),

**DevOps Tools:** Jenkins(CI/CD), Ansible, Maven, Docker, Kubernetes, Terraform

**Version Control:** Git, Github

**Monitoring:** Prometheus, Grafana

**Databases:** SQL, DBMS

**Programming Languages:** Python, C

**Other Tools:** Tomcat, VS Code, Linux, terraformer, mobaxterm

**Soft Skills:** Problem-solving, collaboration, strong attention to detail, adaptability, time management, continuous learning

## Education

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**R. C. Patel Institute of Technology**, B.Tech in Computer Engineering

**Year of Completion:** 2024

- CGPA: 7.46

## Courses

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- **DevOps Training**  
Naresh IT, Hyderabad  
Completed: Aug 2024 - Dec 2024