

Pratham Patel

Location: Bengaluru

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OBJECTIVE

Proactive and detail-oriented IT graduate with hands-on experience in cloud infrastructure, observability tools, and DevOps practices. Skilled in monitoring, troubleshooting, and automation, eager to contribute to platform stability and improve observability workflows in a global environment.

EDUCATION

Charotar University Of science And Technology
B.Tech - Information Technology
CGPA: 7.64

Anand, Gujarat
July 2020 - May 2024

TECHNICAL SKILLS

- **Programming:** C/C++, Python, Java, HTML, CSS, JavaScript
- **Version Control:** Git, GitHub
- **CI/CD:** Jenkins (pipeline automation), GitHub Actions, ArgoCD
- **Containerization & Orchestration:** Docker, Kubernetes
- **Cloud Platforms:** AWS (EC2, IAM, S3, RDS, EKS), Azure App Services
- **Configuration & Automation:** Ansible (basic automation), Terraform
- **Monitoring & Logging:** Prometheus, Grafana, Basic system monitoring and log analysis
- **Data Visualization:** Matplotlib
- **Software Development:** Django, PostgreSQL

EXPERIENCE

Python DevOps
PySpiders

Feb 2025

- Set up a complete CI/CD pipeline to automate build, test, security scanning, and deployment processes for applications.
- Integrated code quality analysis, container image scanning, and artifact management into the pipeline to ensure security and reliability.
- Developed a consistent deployment environment across development, testing, and production through application containerization..
- Configured automated deployments to containerized environments, enabling faster and more consistent releases.
- Managed user access control, security groups, and permissions for tools and services.

AI/ML Developer
AGEVOLE INNOVATION PVT. LTD.

Jan 2024

- Developed and optimized predictive models for car price estimation using Linear Regression, Random Forest, and Gradient Boosting.
- Achieved a high R^2 score of 0.91 with Random Forest, significantly improving prediction reliability for the used car market.

PROJECTS

Key Projects

1. DevOps Banking Application - CI/CD & Cloud Deployment
 - **Technologies:** AWS (EKS, VPC, IAM), Terraform, Kubernetes, Docker, Jenkins, Nexus, SonarQube, Trivy, MySQL, GitOps
 - Provisioned **AWS EKS cluster with Terraform** (VPC, subnets, IAM, security groups, auto-scaling nodes).
 - Built an **end-to-end Jenkins pipeline** (Maven, SonarQube, Trivy, Nexus, Docker Hub) for automated CI/CD.
 - Deployed **Spring Boot & MySQL microservices** on Kubernetes with ConfigMaps, Secrets, RBAC, and persistent storage.
 - Implemented **autoscaling (HPA & VPA), monitoring, and GitOps-based deployments**, reducing release time from hours to minutes.
2. CI/CD Pipeline with Jenkins, Kubernetes & Ansible
 - **Technologies:** AWS, Jenkins, Docker, Kubernetes (EKS), Ansible, GitHub, RBAC, CLI tools
 - Built automated CI/CD pipeline using Jenkins for containerized application deployment to AWS EKS cluster
 - Integrated Docker Hub registry with Jenkins for automated image builds and GitHub webhooks for continuous integration
 - Configured Ansible for Kubernetes application deployment and implemented secure credential management
 - Deployed Spring Boot microservices with dynamic configuration updates using configmap-reload functionality
3. Azure DevOps: Next.js Application CI/CD Pipeline
 - **Technologies:** Azure App Service, GitHub Actions, MongoDB Atlas, Node.js, Docker
 - Deployed full-stack Next.js app on Azure with automated CI/CD pipeline.
 - Configured environment variables, optimized production settings, and implemented health checks & monitoring.
4. Team Tracking App
 - **Technologies:** Django, PostgreSQL (PostGIS), Django Channels, Redis, React, Bootstrap
 - Built a real-time system to automatically assign client visits to field team members based on location and priority.
 - Created an interactive interface for managers to track team activity, reassign tasks, and monitor progress live.
 - Automated client data updates from spreadsheets to keep assignments accurate and up to date.

Certifications

- **Advanced SQL Certification** - HackerRank
- **AWS Cloud Quest: Cloud Practitioner**-- Amazon Web Services
- **Certificate of Participation** - *International Conference on Robotics, Automation and Intelligent Computation (ICRAIC 2K24)*
 - Presented the research paper: *"Effective Prediction of Used Car Prices Using Machine Learning"* (May 18-19, 2024).