# Tejaswi Pathak

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## PROFESSIONAL SUMMARY

Aspiring **DevOps Engineer** with a strong foundation in **automation, cloud infrastructure**, and **CI/CD pipeline** development. Hands-on experience with tools like **AWS, Linux, Docker, Kubernetes, Jenkins,** and **GitOps.** Skilled in building scalable, reliable systems and streamlining software delivery through automation. Passionate about solving real-world challenges by contributing to impactful IT and software projects, with a focus on performance, reliability, and continuous improvement.

## TECHNICAL SKILLS

- **Infrastructure as Code (IaC):** YAML.
- **Containers & Orchestration:** Docker, Kubernetes.
- **Cloud Platforms:** AWS (EC2, S3, IAM), GCP (basic).
- **Scripting & Programming:** Bash, Shell, Python.
- **Networking & System Tools:** NGINX (Reverse Proxy), Linux (RHEL), CLI.
- **Tools & Environments:** VS Code, DockerHub, Kubernetes Dashboard.
- **Practices & Methodologies:** ArgoCD, Agile, DevOps Lifecycle.
- **CI/CD:** Jenkins.
- **Soft Skills:** Excellent Communication, Collaboration, Conflict Resolution, Time management, Problem-Solving

## EXPERIENCE

- **Company:** LinuxWorld Informatics Pvt Ltd
- **Position:** DevOps Technical Intern
- **Duration:** January 2025 - Present

## PROJECTS

**1. GitOps-Based NGINX Reverse Proxy Deployment**
- **Tech Stack**: Docker, Kubernetes, NGINX, ArgoCD, GitHub, Bash
- Designed and deployed a GitOps-driven NGINX reverse proxy system using ArgoCD for declarative infrastructure management.
- Containerized custom NGINX config with Docker; automated builds and pushes using Bash scripts and DockerHub.
- Used Kubernetes YAML manifests for deployment automation with real-time GitHub-to-cluster synchronization. Enabled auto-healing, pruning, and rollback via ArgoCD sync policies for consistent and resilient infrastructure.

**Outcome**: Achieved **100% automated deployment**, reduced manual intervention by **approx. 80%**, and ensured high availability of routing services.

**2. CI/CD Pipeline for Multi-Container Application using Jenkins, Docker, and Kubernetes**
- **Tech Stack:** Jenkins, Docker, Docker Hub, Kubernetes (Minikube), GitHub, Python, AWS EC2, Shell Scripting
- Designed and implemented a CI/CD pipeline using **Jenkins**, automating build, test, and deployment for a multicontainer microservices app.
- Integrated **GitHub webhooks** to trigger builds; added automated unit testing and Docker image builds.
- Pushed Docker images to **Docker Hub** and deployed to **Kubernetes** using rolling updates for zero-downtime releases.

**Outcome:** Achieved **fully automated deployments** and reduced release time by over **80%**.

## CERTIFICATIONS

- Kubernetes Foundation Training (LinuxWorld Informatics)
- Mastering Git & GitHub from Basic to Advanced (Udemy)

## EDUCATION

MGM's Jawaharlal Nehru Engineering College, Chh.Sambhajinagar, Maharashtra
**Bachelor of Technology (B.Tech) in Computer Science & Engineering (CSE)**          **Year: 2021 – 2025**