Dhairya Adroja

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LinkedIn — GitHub — Portfolio

Summary

- DevOps-focused Computer Science student with hands-on experience in containerization, automation, and infrastructure management. Proven expertise in Docker, CI/CD pipelines, and system optimization. Passionate about building reliable, scalable systems and automating deployment processes.

Skills

- **DevOps & Infrastructure:** Docker, Kubernetes, CI/CD, Jenkins, GitHub Actions, Nginx, SSL/TLS

- **Cloud & Platforms:** AWS, Vercel, Linux Administration, Shell Scripting, System Monitoring

- **Programming Languages:** Python, JavaScript, TypeScript, Rust, Shell/Bash, SQL

- **Databases & Storage:** MongoDB, PostgreSQL, MySQL, Redis, Database Optimization

- **Monitoring & Security:** System Monitoring, Network Security, VPN, Reverse Proxy, SSL Certificates

- **Automation:** Infrastructure as Code, Configuration Management, Automated Testing, Performance Monitoring

Projects

- **Enterprise Chat Application - DevOps Pipeline** — Docker, CI/CD, Vercel, MongoDB
  GitHub — *Production-Ready Deployment*

  - Architected complete CI/CD pipeline with automated testing, building, and deployment reducing deployment time by 70%
  - Containerized application with Docker, optimizing image size by 60% through multi-stage builds
  - Implemented automated performance monitoring and alerting system achieving 99.8% uptime
  - Configured SSL/TLS certificates and security headers ensuring enterprise-grade security compliance
  - Set up database backup automation and disaster recovery procedures with 15-minute RTO

- **Infrastructure Automation Suite** — Python, Shell Scripting, Docker
  GitHub — *System Administration Tools*

  - Developed automated deployment scripts reducing manual configuration tasks by 80%
  - Created monitoring dashboard for 10+ containerized services with real-time health checks
  - Implemented log aggregation and analysis system processing 10GB+ daily logs
  - Built automated backup solutions with configurable retention policies and integrity verification

- **CodeTrade - Scalable Backend Infrastructure** — Python, Docker, Load Balancing
  GitHub — *High-Performance Computing Platform*

  - Designed scalable architecture handling 50,000+ concurrent data processing requests
  - Implemented horizontal scaling with load balancers supporting 25+ concurrent web users
  - Optimized system performance through caching strategies, reducing response time by 60%
  - Set up comprehensive monitoring and alerting for system health and performance metrics

- **Aarambh - Learning Platform Infrastructure** — Docker, CI/CD, MongoDB, Nginx
  GitHub — *Final Year Project - Educational Platform DevOps*

  - Architecting scalable infrastructure for learning management platform supporting 500+ concurrent users
  - Implementing automated deployment pipeline with testing, building, and production deployment stages
  - Configuring load balancing and auto-scaling solutions for optimal resource utilization
  - Setting up comprehensive monitoring, logging, and backup strategies for production environment

Experience

- **Teaching Assistant - Object Oriented Programming (Java)**   June 2025 – Dec 2025
  Darshan University   *Rajkot, Gujarat*
  - Guided 50+ students in Java development environment setup, build tools, and deployment practices
  - Conducted workshops on version control, CI/CD concepts, and automated testing frameworks
  - Developed containerized lab environments using Docker improving setup efficiency by 70%
  - Mentored students on software development lifecycle and DevOps best practices

- **Infrastructure & Automation Engineer (Personal Projects)**   2023 – Present
  Self-Directed Infrastructure Development   *Remote*
  - Designed and maintained containerized infrastructure serving multiple applications with 99.5% uptime
  - Automated deployment processes using Docker and CI/CD pipelines, reducing manual intervention by 90%
  - Implemented comprehensive monitoring and alerting systems for proactive issue resolution
  - Developed infrastructure as code solutions ensuring consistent and reproducible deployments

- **Open Source DevOps Contributor**   2023 – Present
  Various Projects   *GitHub Community*
  - Contributed to 5+ open-source projects focusing on deployment automation and infrastructure optimization
  - Improved CI/CD workflows and Docker configurations across multiple repositories
  - Collaborated with global teams on infrastructure best practices and security implementations

Achievements

- 1st Place - CodeTrade Hackathon: Built scalable backend infrastructure (July 2025)
- Multiicon Hackathon Winner: Secured internship through innovative DevOps automation solutions
- Chess Champion: 1st Place Team Event, Runner-up Individual Competition showcasing strategic planning
- Performance: Achieved 60-70% improvement in deployment and response times
- Automation: Reduced manual system administration tasks by 80-90%

Certifications & Continuous Learning

- Self-studied AWS Cloud Services, Docker & Kubernetes, Linux System Administration
- Hands-on experience with production-level deployments and infrastructure management
- Active participation in DevOps communities and continuous learning of emerging technologies

Education

- **Bachelor of Technology in Computer Science and Engineering**   Expected May 2027
  Darshan University, Rajkot, Gujarat   *CGPA: 8.1/10*
  - Relevant Coursework: Computer Networks, Operating Systems, Database Systems, System Design

- **Diploma in Computer Science and Engineering**   May 2023
  Kalyan Polytechnic, Jamnagar, Gujarat   *First Class with Distinction*
  - Foundation: System Administration, Network Configuration, Database Management

Languages

- **English:** Professional proficiency
- **Hindi:** Native proficiency
- **Gujarati:** Native proficiency