

# Harshal Machhi

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## Summary

Detail-oriented and driven **DevOps Engineer (Fresher)** with a strong foundation in WordPress development, cloud technologies, and web infrastructure management. Proven ability to optimize site performance, implement security measures, and automate web operations. Skilled in configuration management, scripting, and cloud platforms with hands-on expertise in Python, batch programming, and database administration. Passionate about streamlining development and operations workflows through automation and CI/CD practices.

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## Objective

Seeking an entry-level **DevOps Engineer** role to apply programming, automation, and infrastructure knowledge in a collaborative, growth-focused environment. Eager to contribute to continuous integration, deployment pipelines, and cloud infrastructure while expanding expertise in modern DevOps tools and practices.

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## Education

### Bachelor of Computer Science

Thakur College of Science & Commerce | 2020–2023

**Relevant Coursework:** Data Structures, Algorithms, Database Management, Network Security

**Focus Areas:** Software Development, System Administration, Cloud Computing Fundamentals

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## Technical Skills

- **DevOps & Automation:** CI/CD Pipeline Concepts, Configuration Management, Infrastructure Automation, Process Optimization
  - **Programming Languages:** Python, Batch Programming, PHP, HTML, CSS, JavaScript
  - **Cloud & Infrastructure:** Cloudflare Implementation, DDoS Mitigation, Server Configuration, DNS Management
  - **Database Management:** PhpMyAdmin, MySQL, Database Optimization, Backup Strategies
  - **Web Technologies:** WordPress Development, SMTP Protocol Configuration, FTP Management
  - **Security:** Website Security Hardening, SSL Implementation, Access Control, Vulnerability Assessment
  - **Tools & Platforms:** Git, GitHub, Command Line Interface, Linux Administration, Monitoring Tools
  - **Collaboration:** Project Management, Cross-functional Team Coordination, Documentation
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# Professional Experience

## WordPress Developer | Digitalcrafthaven.com

October 2024 – August 2025

- Implemented automated WordPress optimization processes, reducing site load time by 40%
- Configured DDoS mitigation and security hardening protocols, preventing 95% of malicious attacks
- Managed PhpMyAdmin backend operations with streamlined database optimization scripts
- Developed batch automation scripts for routine maintenance tasks, saving 15 hours/week
- Collaborated with development teams to establish version control and deployment workflows

## WordPress Developer | Shivsarjan.com

June 2024 – August 2025

- Led project management from concept to execution, delivering 5+ websites with 99.9% uptime
- Implemented Cloudflare performance optimization, achieving 50% faster page loading speeds
- Established automated SEO monitoring processes, resulting in 200% organic traffic growth
- Configured CI/CD-like workflows for content deployment and site updates
- Documented deployment procedures and created maintenance automation scripts

## WordPress Developer | Goonj Music School

February 2024 – September 2024

- Designed and developed responsive website with automated deployment processes
- Managed hosting infrastructure and implemented monitoring solutions for 24/7 availability
- Created scripted maintenance workflows reducing manual intervention by 80%
- Established backup automation and disaster recovery procedures

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## Key Projects

### Automated Chrome Extension Development

- Developed browser automation extension using JavaScript and Python scripting
- Implemented automated workflows for repetitive tasks, improving efficiency by 60%
- Integrated error handling and logging mechanisms for monitoring and debugging

### Infrastructure Automation Scripts

- Created Python and Batch scripts for server maintenance and configuration management
- Automated deployment processes, reducing deployment time from 2 hours to 15 minutes
- Implemented monitoring solutions for system health and performance tracking

### Cloud Migration & Optimization Project

- Migrated multiple websites to cloud infrastructure with automated provisioning
  - Configured load balancing and auto-scaling policies for optimal resource utilization
  - Established monitoring and alerting systems for proactive issue resolution
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## Certifications & Learning

- Docker & Containerization
  - Kubernetes Orchestration
  - AWS Cloud Platform Fundamentals
  - Jenkins CI/CD Pipeline
  - Terraform Infrastructure as Code
  - Ansible Configuration Management
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## Languages

- **English:** Fluent
  - **Hindi:** Native
  - **Marathi:** Native
  - **Gujarati:** Conversational
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## Key Achievements

- ✓ Automated 90% of routine maintenance tasks across multiple WordPress installations
- ✓ Reduced deployment time by 87% through scripted automation processes
- ✓ Improved site performance by 50% through cloud optimization and caching strategies
- ✓ Prevented security incidents through proactive DDoS mitigation and monitoring
- ✓ Increased organic traffic by 200% through automated SEO optimization processes