# Muchumari  Veera Vasanth Reddy

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## SUMMARY

DevOps enthusiast with **1+ years of hands-on project** experience, achieving significant improvements in deployment efficiency and environment consistency using **Docker**, **Kubernetes**, **Terraform**, and **Jenkins**. Optimized cloud infrastructure on **AWS**, reducing manual errors and streamlining application deployment workflows.

## SKILLS

Operating Systems: **Linux, Windows**
Configuration Management: **Ansible**
Databases: **MySQL**
Build Tools: **Maven, NPM, pip**
Continuous Integration: **Jenkins CI CD**
Iaac: **Terraform**
Artifactory: **Nexus**
Version Control Tools: **Git (GitHub)**
Languages/Scripts: **Shell**, **Yaml**
Cloud Platform: **AWS**
AWS Services: EC2, S3,Route 53,SSM, IAM, VPC, Subnets, Auto scaling, Security Groups, EKS,ECR,ALB
Containerization: **Docker**
Container Orchestration: **Kubernetes**
Monitoring Tools: **Prometheus, Grafana**
Code Analysis: **SonarQube**

## PROJECTS

### Roboshop Project

- Performed manual infrastructure provisioning on **VMs** and subsequently automated the process using **shell scripts** to improve efficiency and reduce errors.
- Architected innovative **Terraform** scripts that automated infrastructure provisioning, reducing manual errors by 75% and establishing a scalable framework for future projects across teams.
- Established a **Jenkins**-based CI/CD pipeline, automating build, test, and deployment stages, achieving a 40% reduction in deployment time.
- Leveraged  **Jenkins** shared libraries to standardize pipelines and improve reusability across projects.
- Built and managed **Docker** images for middleware installations and configurations, streamlining deployments and ensuring environment consistency.
- Improved container management through enhanced **Docker** image versioning, ensuring consistency across deployed environments.
- Implemented multi-container application deployment strategies using **Kubernetes** and **Helm**, improving configuration management and operational efficiency.
- Integrated AWS **Auto Scaling** configurations to optimize workload management, resulting in a 40% reduction in infrastructure costs.
- **Tools and Technologies**: Terraform, Jenkins, Docker, Kubernetes, Helm,AWS,Shell Scripting

**Expense Project**

- Performed manual **VMs** provisioning, ensuring proper setup and configuration for project environments.
- Automated VM environment setup using **shell scripts**, improving efficiency and significantly reducing manual errors.
- Deployed applications using YAML scripts, enhancing operational efficiency and reducing configuration mismatches by 35%.
- Developed Ansible playbooks for automating application deployment and execution, optimizing workflows and minimizing manual intervention.

## CERTIFICATIONS

- Getting Started with DevOps on AWS
- AWS CLI Basics
- Advanced Testing Practices Using AWS DevOps Tools
- Agile Techniques
- Agile Modeling

## EDUCATION

**B.E in CSE**
APSCE · 2025 – 8.99 GPA