

# Manoj Rugalapu

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## Summary

DevOps engineer with practical training in cloud infrastructure and automation. Familiarity with Git, Terraform, Docker, Kubernetes, Azure Cloud the tools I familiar with. Desires to apply skills in cloud environment management, business process automation and system performance optimization.

## Technical Skills

- **Cloud Computing:** MS Azure
- **Build & Dependency Management:** Maven
- **Containerization & Orchestration:** Docker, Kubernetes
- **Version Control:** Git, GitHub
- **Continuous Integration/Continuous Deployment (CI/CD):** Azure DevOps
- **Infrastructure as Code (IaC):** Terraform
- **Configuration Management:** Ansible
- **Operation System :** Linux

## Professional Work Experience

Organisation: **ITASCODE**

Designation: **DevOps Intern**

Technologies: [DevOps tools & Cloud].

- Maintained version control through **GIT** collaborating with team members on code changes to ensure a smooth development workflow.
- Gained hands-on experience with **AZURE** deployments including **VM, Storage, Vnet's** to manage and deploy scalable cloud Infrastructure.
- Contributed to writing and maintaining **TERRAFORM** scripts for infrastructure provisioning and management automation, Ensuring consistent and repeatable deployment.
- **DOCKER** was used to hold applications and simplify development, testing and deployment processes across environments.
- Supported the design and maintenance of the **AZURE CI/CD pipeline**, automated build, and test, deployment processes to Improve performance and reduce manual errors.
- Involved in configuring and maintaining **KUBERNETES CLUSTERS**, deploying roles, and configuring services, ensuring high Availability and scalability
- Helped write the **ANSIBLE** playbook to automate system management and application deployment, reduce manual operations and improve stability.

### Project : Deployed a web application using DevOps Tools.

- Developed a web application using Azure DevOps and Terraform for infrastructure automation, ensuring efficient resource management and scalability.
- Utilized Git for version control to maintain code integrity and facilitate collaborative development.
- Designed and implemented a Docker file to containerize the application, enhancing portability and consistency across environments.
- Automated the deployment process through Azure CI/CD pipelines, setting up Git hooks to trigger deployments on code changes, ensuring seamless and rapid releases.
- Integrated automated testing within the CI/CD pipeline, improving code quality and reliability through continuous testing and validation.
- Worked in the development workflow by configuring the CI/CD pipeline to automatically deploy changes, reducing manual intervention and accelerating delivery times.

## EDUCATION

B.TECH in Information Technology (2019-2023) from MALLA REDDY COLLEGE OF ENGINEERING.