Yogesh Penumur

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OBJECTIVE

Aspiring DevOps Engineer with hands-on experience in AWS, Docker, Git, Jenkins, Terraform, and Ansible through my personal projects. Proficient in building CI/CD pipelines, automating infrastructure, and managing cloud deployments. Eager to apply my skills in a real-world environment and contribute to efficient, scalable solutions. Looking for an opportunity in a dynamic organization to grow as a cloud and DevOps professional.

EDUCATION

Bachelor of Technology (COMPUTER SCIENCE AND ENGINEERING) 2020-2024

- Institution: Sreenivasa Institute of Technology and Management Studies - CGPA: 7.34

Intermediate (SENIOR SECONDARY EDUCATION) 2018-2020

- Institution: Narayana Junior College - CGPA: 7.32

Secondary School Certificate (SSC) 2017-2018

- Institution: Keshava Reddy School - CGPA: 8.2

SKILLS

- **Programming Languages :** Python, Java(OOPs, Multithreading, Exception Handling, Collections).
- **Database** **:** MySql.
- **Operating System** **:** Windows, Linux .
- **Cloud Computing** **:** AWS(IAM, EC2, S3, EBS, EFS, ELB, VPC, ROUTE-53) .
- **DevOps Tools** **:** Docker, Jenkins , Terraform , Ansible, Git , Kubernetes .

INTERNSHIP EXPERIENCE

EDUSKILLS

AWS AI-ML VIRTUAL INTERNSHIP GITHUB 05/2023 - 07/2023

Completed a virtual internship in AWS (Amazon Web Services) focused on Artificial. Gained hands-on experience in deploying and managing AI and ML models in the cloud. Developed proficiency in cloud-based AI and ML services, data preprocessing, model training, and evaluation.

PROJECTS

Project: CI/CD Pipeline for Flask App Deployment on AWS GITHUB

Built and deployed a containerized Flask web application using AWS services and Docker. Managed source code with GitHub and automated the CI/CD workflow using AWS CodePipeline and CodeBuild. Created a Dockerfile to containerize the Apache-based Flask app and configured buildspec.yml for automated Docker image builds. Deployed the containerized app on Amazon EC2, ensuring scalability and reliability. Secured environment variables and secrets using AWS Systems Manager Parameter Store. Followed Infrastructure as Code and DevOps best practices to enable fully automated deployment from code commit to production. This project strengthened my understanding of cloud-native CI/CD pipelines, container orchestration, and infrastructure automation.

Project: Secure and Scalable AWS VPC Architecture with Terraform GITHUB

Designed and deployed a highly available and secure AWS VPC architecture using Terraform, spanning two Availability Zones. Configured public subnets to host an Application Load Balancer and NAT Gateway for controlled traffic flow, while private subnets hosted EC2 instances with no direct internet access to ensure security. Security Groups were fine-tuned to manage both internal and external access. Infrastructure as Code (IaC) principles were applied to make the setup repeatable, version-controlled, and easy to manage across environments. This architecture supports scalable and resilient production workloads with strong network isolation. Future improvements include integrating Auto Scaling Groups and AWS WAF for enhanced protection and flexibility.