Matsa Chandra Sekhar Naidu

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Work Experience

DevOps Trainee (StarAgile) - 3 Months

- Managed container-based deployments using Docker & Kubernetes, improving deployment reliability by 30%
- Wrote Terraform scripts for AWS infrastructure automation, demonstrating ability to work with infrastructure as code
- Led a team of 3 in setting up monitoring dashboards with Grafana and configuring alerts with Prometheus
- Automated deployment pipelines with Jenkins & GitHub Actions, reducing manual intervention by 70%
- Implemented IAM roles, security groups, and network configurations to ensure secure infrastructure

Academic Projects

1. AI-Powered Dockerfile Generation (DevOps & AI)

- Developed an AI-powered Python script that generates optimized Dockerfiles using the Ollama API (TinyLlama model). Automate d containerization by reducing manual Dockerfile writing and ensuring best practices. Utilized a local LLM for privacy, cost efficiency, and offline use. Tech Stack: Python, Docker, Ollama API (TinyLlama), ChatGPT

2. Finance Me – Banking & Finance Domain

- Developed a microservices-based banking system using Spring Boot and AWS RDS. Automated CI/CD pipelines with Jenkins, reducing deployment time by 40%. Containerized and deployed using Docker and Kubernetes for scalability. Used Terraform and Ansible for automation, with monitoring via Prometheus and Grafana.

3.Cloud-Based Android Chatting Application

- Designed and developed a secure chat app with real-time messaging support. Integrated end-to-end encryption to ensure secure data transfer and privacy. Built a scalable backend using Java, Python, and Firebase for synchronization. Implemented real-time spam filtering to enhance communication reliability

Technical Skills

- Networking: TCP/IP, OSI Model, DNS, DHCP, Subnetting, Routing Protocols, VPN Configuration
- Linux Administration: Package & File Management, User & Access Controls, Remote Server Management
- Cloud & Infrastructure: AWS (EC2, S3, IAM, CloudWatch), Terraform, Ansible, GCP
- DevOps & CI/CD: Docker, Kubernetes (EKS), Jenkins, GitHub Actions
- Monitoring Tools: Prometheus, Grafana
- Programming & Scripting: Python, Shell Scripting, SQL

Soft Skills

- Problem-Solving & Troubleshooting, Collaboration & Teamwork, Adaptability & Continuous Learning, Time Management & Prioritization

Education

- **M.V.G.R College of Engineering**
  B-Tech in Computer Science Engineering
  Completed: 2024 | CGPA: 7.1

- **D.R. Junior College**
  Intermediate
  Completed: 2020 | CGPA: 6.9

- **Fort City School**
  10th
  Completed: 2018 | CGPA: 9.0

Certifications

- IBM DevOps Esssentials
- Cisco Networking Essentials (CCNA)
- Cisco Linux Essentials
- AWS Cloud foundationals
- Google Cloud Fundamentals