Matsa Chandra Sekhar Naidu
Cloud & Automation Enthusiast

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Technical Skills

- Cloud & Infrastructure: AWS (S3, EC2, IAM, Lambda, Security Best Practices – IAM roles, RBAC, Network Policies)
- Containerization & Orchestration: Docker, Kubernetes (Amazon EKS)
- Infrastructure as Code (IaC): Terraform, Ansible
- CI/CD Tools: Jenkins, GitHub Actions
- Monitoring & Logging: Prometheus, Grafana, CloudWatch
- Scripting & Automation: Python, Bash
- Networking & Security: DNS, DHCP, LAN/WAN, Firewall Configurations, VPN, IAM Policies
- Databases: SQL (Basics)
- AI & DevOps Automation: Ollama API, TinyLlama, AI-powered Dockerfile Generation

Soft Skills

- Problem-Solving & Troubleshooting
- Collaboration & Teamwork
- Communication Skills – Ability to explain technical concepts clearly and concisely.
- Adaptability & Continuous Learning – Eager to learn and stay updated with emerging technologies.
- 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

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).
- Automated 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.

Internship (DevOps – StarAgile) Link

- Designed and managed Kubernetes-based containerized applications on AWS EKS, ensuring high availability and performance.
- Developed and maintained Terraform scripts for automated cloud infrastructure provisioning, optimizing resource usage and scalability.
- Implemented configuration management using Ansible to streamline deployment and maintain consistency across environments.
- Automated CI/CD pipelines using Jenkins & GitHub Actions, integrating automated testing and deployment for faster releases.
- Configured Prometheus & Grafana for real-time monitoring and alerting, ensuring system stability and quick issue resolution.
- Deployed security best practices, including IAM policies, RBAC, and network policies, to enhance system security and compliance.
- Utilized Python and Bash scripting to automate operational tasks, reducing manual intervention and improving system efficiency.
- Built and managed Docker containers for application deployment, ensuring portability and consistency across different environments.

Certifications

- Cisco IT Essentials — Learned about hardware, IT components, and troubleshooting techniques.
- Cisco Introduction to Networks — Gained knowledge of IP addressing, routing, and switching basics.
- Cisco Linux Essentials — Learned fundamental Linux commands, system administration, and scripting.
- IBM Docker Fundamentals — Gained hands-on experience with Docker containerization and deployment.
- IBM Kubernetes Fundamentals — Learned microservices deployment and orchestration using Kubernetes.