Katta Trinadh Sundar

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PROFESSIONAL SUMMARY

Motivated DevOps and Cloud Engineer with solid expertise in Python application development and automation. Proficient in designing and implementing CI/CD pipelines, containerized deployments using Docker, and managing scalable cloud infrastructure on AWS. Passionate about integrating software development with DevOps workflows to deliver reliable, efficient, and scalable cloud-native applications.

TECHNICAL SKILLS

- **DevOps Tools:** Docker, Kubernetes, Terraform, Jenkins, Git, GitHub Actions, Linux, Bash
- **Cloud Platforms:** AWS (EC2, S3, IAM, CloudWatch), Azure Fundamentals (in progress)
- **Programming Languages:** Python, Java, C
- **Version Control:** Git, GitHub
- **Operating Systems:** Ubuntu, Windows
- **Other Tools:** JIRA, Visual Studio Code

PROFESSIONAL EXPERIENCE

AP State Skill Development Corporation (APSSDC) — Embedded Systems and Microcontrollers Intern
Jun 2023 – Aug 2023

- Developed firmware-based mini projects using Keil5 and Proteus, emphasizing modular coding and debugging.
- Strengthened foundations in version control, scripting, and logical workflow automation, applying core DevOps practices.
- Delivered a "Temperature-Controlled AC with LCD Display" mini project, demonstrating embedded system integration.

PROJECTS

CI/CD Pipeline for a Python Web App (Self Project)

- Designed and implemented a Jenkins pipeline to automate code testing and deployment to AWS EC2 instances triggered via GitHub commits.
- Integrated Docker containers to ensure environment consistency across development and production.
- Enhanced build efficiency by 40% through pipeline automation and streamlined deployment processes.

Electric Vehicle Charge Prediction

- Developed a machine learning model using Python and various algorithms to predict electric vehicle charging times.
- Conducted comprehensive evaluations to analyze model performance across diverse scenarios using Jupyter Notebook.

EDUCATION

Bachelor of Technology (BTech), Electronics and Communication Engineering
SRM UNIVERSITY AP | 2021 – 2025
CGPA: 8.0/10.0

Class 12th, BIEAP
2021 | Marks: 705/1000

Class 10th, SSC
2019 | CGPA: 9.3/10

CERTIFICATIONS

- AWS Certified Cloud Practitioner (In Progress)
- DevOps and Multi-Cloud Course (Docker, Jenkins, CI/CD) (Ongoing)
- Introduction to Linux and Shell Scripting

AREAS OF INTEREST

DevOps Engineering, Cloud Computing Automation, System Reliability, Software Development