Shreyas Neelaraddi

AI/ML & DevOps Engineer | Cloud & GenAI Systems

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PROFESSIONAL SUMMARY

AI/ML and DevOps Engineer with hands-on experience building and deploying production-ready applications using Docker, Kubernetes, CI/CD pipelines, and AWS. Strong in Python-based ML systems, infrastructure automation with Terraform and Ansible, and monitoring using Prometheus and Grafana. Experienced in developing and deploying Generative AI (GenAI) applications using OpenAI, Gemini, LangChain, RAG pipelines, and MLOps practices. Seeking entry-level roles in Cloud, DevOps, or AI Engineering.

TECHNICAL SKILLS

- **Programming Languages:** Python, Bash, SQL, JavaScript (Basics), HTML, CSS
- **DevOps Tools:** Docker, Kubernetes, Jenkins, GitLab CI/CD, Ansible, Terraform
- **Cloud Platforms:** AWS
- **Generative AI & LLMs:** Hands-on with OpenAI & Gemini APIs, LangChain, prompt engineering, RAG workflows, vector databases (FAISS/Pinecone), basic LLM fine-tuning, AI agents, and deploying GenAI applications using Docker and CI/CD.
- **Machine Learning & Data:** Pandas, NumPy, scikit-learn, TensorFlow, PyTorch, NLP, time-series analysis
- **Monitoring & Logging:** Prometheus, Grafana
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Data Visualization:** Power BI, Tableau
- **Version Control:** Git, GitHub, GitLab
- **Other Skills:** API development, REST APIs, Linux administration, automation scripting

EDUCATION

Bachelor of Engineering (Computer Science and Engineering)
Sri Sairam College of Engineering, Bengaluru
2021 – 2025 | CGPA: 8

Pre-University (PCMB – Science)
Vijaya BIFR PU College, Bengaluru
2020 – 2021 | 71%

SSLC (10th Grade)
JSS Public School, Dharwad
2018 – 2019 | 64.5%

INTERNSHIPS

1) AI/ML Intern – VTU WIINNR (IT Ignition Program) | Oct 2024 – Feb 2025
- Automated machine learning model training pipelines using Python and GitHub Actions.
- Containerized ML applications using Docker and deployed on AWS cloud.
- Used Terraform and Ansible for infrastructure as code (IaC) and automated provisioning.
- Built system monitoring dashboards using Prometheus and Grafana.

2) Python Developer Intern – VaultofCodes | Oct 2023 – Nov 2023
- Developed a speech recognition application and containerized it using Docker.
- Automated deployments and environment setup using shell scripting.
- Implemented multi-threaded modules to improve performance and resource utilization.

TECHNICAL PROJECTS

1) CI/CD Pipeline Automation for Flask Application
Technologies: Jenkins, GitLab CI/CD, Docker, Kubernetes, Terraform, Ansible, Prometheus
- Built end-to-end CI/CD pipeline for automated build, test, and deploy processes.
- Containerized Flask application and deployed on a Kubernetes cluster.
- Implemented IaC using Terraform and automated server configuration with Ansible.
- Integrated monitoring using Prometheus and Grafana.

2) AI-Driven Sales Analytics Dashboard
Technologies: Python, SQL, Power BI, Docker, GitHub Actions, AWS
- Built ML-based sales forecasting model achieving 93% accuracy.
- Automated dashboard refresh and data updates using scheduled Python workflows.
- Deployed solution on AWS EC2 with continuous integration.

3) Healthcare Risk Prediction System
Technologies: Python, scikit-learn, Streamlit, Docker, Ansible
- Developed ensemble ML model (92% accuracy) using Gradient Boosting and Neural Networks.
- Containerized and deployed the Streamlit application using Docker and Ansible.

4) AI-Powered Resume Screening and Interview Assistant
Technologies: Python, OpenAI API, LangChain, Streamlit, Flask, Docker Compose, GitHub Actions
- Built a resume screening tool and interview assistant powered by GPT-based large language models.
- Used vector embeddings and RAG to provide more accurate and context-aware feedback.
- Automated the entire setup and deployment using Docker Compose and CI/CD pipelines.

CERTIFICATES

- **Introduction to DevOps – IBM (Coursera, 2025)**
- **AI/ML Internship Certificate – VTU WIINNR (2025)**
- **DataCamp - Machine Learning / AI, Python Programming, Data Engineering, SQL, DevOps / Cloud, Visualization, AI-Assisted Coding / AI for Developers**