Shreyas Neelaraddi

+919035646885 | shreyas2932003@gmail.com | LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

AI/ML and DevOps Engineer with experience in software development, cloud computing, CI/CD automation, containerization, and machine learning. Skilled in Python, Docker, Kubernetes, Terraform, Ansible, SQL, and AWS. Strong background in building scalable applications, automating deployments, and developing data-driven solutions. Seeking roles in AI/ML, DevOps, Cloud Engineering, Data Engineering, or Software Development. Comfortable working with Generative AI and LLMs, and experienced in building real-world applications using OpenAI, Gemini, LangChain, and retrieval-based pipelines.

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**