

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 (Terraform, Ansible)**, and **monitoring using Prometheus and Grafana**. Experienced in developing and deploying **Generative AI (GenAI) applications** using **OpenAI, Gemini, LangChain, and RAG pipelines**. Seeking **entry-level AI Engineer, Cloud Engineer, or DevOps roles** with a focus on scalable, production-ready systems.

TECHNICAL SKILLS

- Cloud & DevOps:** AWS, Docker, Kubernetes, Jenkins, GitLab CI/CD, Terraform, Ansible
- AI / ML / GenAI:** Pandas, NumPy, scikit-learn, TensorFlow, PyTorch, OpenAI & Gemini APIs, LangChain, RAG workflows, Vector Databases (FAISS, Pinecone)
- Programming & Core:** Python, Bash, SQL, JavaScript (Basics), HTML, CSS
- Monitoring & Data:** Prometheus, Grafana, MySQL, PostgreSQL, MongoDB, Power BI, Tableau

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

- Designed automated ML training and deployment pipelines** using Python and GitHub Actions.
- Containerized ML applications** using Docker and deployed them on AWS.
- Implemented Infrastructure as Code (IaC)** using Terraform and Ansible for automated provisioning.
- Designed monitoring dashboards** using Prometheus and Grafana to track system health.

2) AI Intern – Agnirva (AI Internship Program – Fast Track) | Oct 2025 – Dec 2025

- Completed **100+ hours of intensive, hands-on AI work** focused on real-world applications and GenAI workflows.
- Designed and optimized **LLM prompt workflows** using ChatGPT / Gemini for task automation and intelligent responses.
- Built a **capstone AI use-case** applying **vector search and RAG concepts** to deliver a functional, context-aware demo.
- Applied **data preprocessing, experimentation, and prompt tuning** to improve output accuracy and relevance.
- Gained strong exposure to **AI application design and deployment-oriented thinking** through end-to-end prototyping.

TECHNICAL PROJECTS

1) CI/CD Pipeline Automation for Flask Application

Technologies: Jenkins, GitLab CI/CD, Docker, Kubernetes, Terraform, Ansible, Prometheus

- Designed end-to-end CI/CD pipeline** for automated build, test, and deployment.
- Containerized and deployed** a Flask application on a **Kubernetes cluster**.
- Provisioned infrastructure** using Terraform and automated configuration with Ansible.
- Integrated Prometheus and Grafana** for application and infrastructure monitoring.
- Improved **deployment reliability and observability** using automated pipelines and monitoring.

2) AI-Powered Resume Screening and Interview Assistant

Technologies: Python, OpenAI API, LangChain, Streamlit, Flask, Docker Compose, GitHub Actions

- Built a **GenAI-powered resume screening and interview assistant** using **OpenAI APIs and LangChain**.
- Implemented vector embeddings and RAG pipelines** for context-aware responses.
- Designed prompt workflows** to improve relevance and reduce hallucinations.
- Automated deployment** using Docker Compose and CI/CD pipelines.
- Enabled **context-aware candidate evaluation**, reducing irrelevant responses through structured RAG pipelines.

3) AI-Driven Sales Analytics Dashboard

Technologies: Python, SQL, Power BI, Docker, GitHub Actions, AWS

- Developed an **ML-based sales forecasting system** using Python and SQL.
- Automated data processing and dashboard refresh workflows**.
- Deployed the solution** on AWS EC2 using Docker and CI/CD.

4) Healthcare Risk Prediction System

Technologies: Python, scikit-learn, Streamlit, Docker, Ansible

- Developed **ensemble ML models** for healthcare risk prediction using scikit-learn.
- Built and deployed a **Streamlit-based application** using Docker and Ansible.
- Designed the system with **modular pipelines** to support future retraining.

CERTIFICATES

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