

# Harshitha D G

Bengaluru, India

7760682897  <https://github.com/HarshithaDevanga>

 harshithadg97@gmail.com

 www.linkedin.com/in/harshitha-d-g

## PROFESSIONAL SUMMARY

AI/ML-focused engineer with hands-on experience building LLM-powered applications, data pipelines, and deployment-ready backend systems. Skilled in Python, API-driven architectures, and Retrieval-Augmented Generation (RAG) using LangChain, Hugging Face, Ollama, and LLaMA models. Experienced in designing scalable, cloud-native ML workflows and database-backed systems. Passionate about applying AI to real-world security, automation, and zero-trust cloud environments.

## TECHNICAL SKILLS

**Programming:** Python, JavaScript, TypeScript, C++, SQL

**AI / ML & LLMs:** TensorFlow, Scikit-learn, Keras, Librosa, Hugging Face, LangChain, Ollama, Generative AI

**Backend & APIs:** Flask, FastAPI, Node.js, Express.js

**Data & Infrastructure:** PostgreSQL, MongoDB, Docker, Apache Airflow, CI/CD

**Tools & Dev:** Git/GitHub, Postman, Jupyter, Vercel, Agile

**Core CS:** DSA, OOP, OS, DBMS, Networking

## INTERNSHIP EXPERIENCE

### Gen AI Engineer Intern | Initvalue Tech Pvt Ltd | May 2025 – Sep 2025

- Worked on integrating AI models with backend pipelines for deployment-ready systems.
- Built and debugged API-based workflows for ML processing and automation.
- Enhanced model usability by developing inference endpoints and testing modules.
- Used Docker and CI/CD practices to ensure environment stability.

### AI-DevOps Engineer Intern | Rooman Technologies & IBM | Sep 2024 – Apr 2025

- Built CI/CD automation workflows for ML model deployments.
- Validated backend data integrity and automated regression verification scripts.
- Collaborated in agile development cycles to support backend and ML deployment tasks.

### Azure Fundamentals Intern — Microsoft | Oct 2023

- Learned cloud deployment fundamentals, VM setup, networking, and AI-driven workflows.

## PROJECTS

### Deepfake Audio Detection System | Python • Flask • Librosa • ML

- Developed model to classify real vs fake audio using real-world noisy datasets.
- Built inference API for real-time usage with tokenized endpoints and monitoring.

### Dockerized Stock Data Pipeline | Airflow • PostgreSQL • Docker

- Built automated ETL pipeline for periodic stock-finance data ingestion and processing.
- Achieved reproducible deployments using Docker and scheduled pipeline tasks.

### Offline AI Chat (Ollama + LLaMA) | Next.js • TypeScript • Local Inference

- Built fully offline AI chatbot leveraging local LLaMA models.
- Designed a clean UI and integrated model inference with backend APIs.

### Railway Reservation Management System| PHP • MySQL

- Implemented transactional booking with seat allocation and consistency control.
- Designed relational schemas to prevent double-booking and maintain data integrity.

## EDUCATION

**B.E. in Computer Science & Engineering – KS School of Engineering and Management (VTU)** Dec 2021 – May 2025 / CGPA: 8.18 / 10

**St. Anne's PU College, Virajpet, Coorg / 2019 – 2021 – 77%**

**St. Anne's Convent School, Siddapura, Coorg 2006 – 2019 – 86%**

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- AI-DevOps Training – IBM Rooman Technologies
- Python for Data Science – NPTEL
- Complete Generative AI Course with LangChain & Hugging Face – Udemy