

# KRISH MANIYAR

Rajkot, Gujarat

+91 94290 48002 | krishmaniyar27@gmail.com | linkedin.com/in/krish-maniyar | github.com/krishmaniyar | krishmaniyar.netlify.app

## Education

### Vellore Institute of Technology (VIT)

2023 – 2027

B.Tech in Computer Science and Engineering — CGPA: 9.24 / 10

Vellore, Tamil Nadu

## Experience

### Marwadi Shares and Finance Limited (MSFL)

May 2025 – Jun 2025

Flutter App Developer Intern

Rajkot, Gujarat

- Built and deployed an **enterprise-grade chat application** using **Flutter** and **.NET SignalR**, load-tested for **100+ concurrent users**, reducing response time by **40%**.
- Implemented **real-time file sharing, read/unread tracking, and group chat** features to improve internal collaboration.
- Collaborated with backend teams to optimize API usage and ensure **scalable real-time communication**.

### Centre for Social Entrepreneurship and Development, VIT

Apr 2024 – Feb 2025

Core Committee Member

Vellore, Tamil Nadu

- Organized a **national-level hackathon** with **200+ participants**, handling logistics, sponsors, and digital outreach.
- Coordinated **cross-functional teams** to plan initiatives combining technology and community development.
- Boosted event visibility by **60%** through targeted social media and technical engagement strategies.

## Projects

### MediForgeLLM – Medical Domain LLM | Python, PyTorch, HuggingFace, Transformers, FastAPI 🧠

- Built a **parameter-efficient medical LLM** using **LoRA** and **4-bit NF4 quantization** for low-VRAM training.
- Fine-tuned a **LLaMA-style model** on medical instruction data to improve clinical terminology understanding.
- Developed a complete **LLM training-to-inference workflow** using modern Hugging Face tooling.

### QueryWeaver – Natural Language to SQL Engine | Python, PyTorch, Hugging Face, FastAPI, NLP 🧠

- Built an **end-to-end Text-to-SQL system** converting natural language questions into executable SQL queries using a **fine-tuned T5 transformer** on the **WikiSQL** dataset.
- Designed a **modular ML pipeline** with data ingestion, validation, transformation, training, and evaluation stages for reproducible experimentation.
- Applied task-specific **text-to-text prompting** to improve semantic alignment between user intent and SQL syntax.

### EcoMind – AI Waste Classifier | Flutter, Firebase, Firestore, Python 🧠

- Trained a **CNN-based waste classification system** achieving **92% accuracy** across **15+ categories**.
- Built a **recycling recommendation engine** and deployed a **Dockerized Flask REST API**.
- Reduced waste sorting time by **60%** through AI-assisted classification.

## Technical Skills

**Programming:** Python, C++, Java, JavaScript

**Machine Learning & LLMs:** Deep Learning, CNNs, NLP, Transformer Models, LLM Fine-Tuning (LoRA), Hugging Face Transformers

**MLOps & Evaluation:** Feature Engineering, Model Evaluation (Precision, Recall, F1, ROUGE, BLEU), MLflow, Docker

**Backend & APIs:** FastAPI, Flask, REST APIs, .NET Web API

**Web & Mobile:** Flutter, ReactJS, HTML, CSS, TailwindCSS, Firebase

**Systems & Tools:** Linux, Git, GitHub, AWS

## Certifications

### Complete Data Science, Machine Learning, Deep Learning & NLP Bootcamp

Oct 2025

Udemy

### Artificial Intelligence A–Z 2026: Agentic AI, Generative AI & Reinforcement Learning

Jan 2026

Udemy

### Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate

Jan 2026

Oracle University

### Oracle Cloud Infrastructure 2025 Certified Foundations Associate

Jan 2026

Oracle University