

KRISH MANIYAR

Rajkot, Gujarat

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Education

Vellore Institute of Technology (VIT) <i>B.Tech in Computer Science and Engineering — CGPA: 9.24 / 10</i>	2023 – 2027 <i>Vellore, Tamil Nadu</i>
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Experience

Marwadi Shares and Finance Limited (MSFL) <i>Flutter App Developer Intern</i>	May 2025 – Jun 2025 <i>Rajkot, Gujarat</i>
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- 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 <i>Core Committee Member</i>	Apr 2024 – Feb 2025 <i>Vellore, Tamil Nadu</i>
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- 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 <i>Python, PyTorch, HuggingFace, Transformers, FastAPI</i> 	<ul style="list-style-type: none">– 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.
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QueryWeaver – Natural Language to SQL Engine <i>Python, PyTorch, Hugging Face, FastAPI, NLP</i> 	<ul style="list-style-type: none">– 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.
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EcoMind – AI Waste Classifier <i>Flutter, Firebase, Firestore, Python</i> 	<ul style="list-style-type: none">– 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.
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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 <i>Udemy</i>	Oct 2025
Artificial Intelligence A–Z 2026: Agentic AI, Generative AI & Reinforcement Learning <i>Udemy</i>	Jan 2026
Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate <i>Oracle University</i>	Jan 2026
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