

# KRISH MANIYAR

Rajkot, Gujarat

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## Education

<b>Vellore Institute of Technology (VIT)</b> <i>B.Tech in Computer Science and Engineering — CGPA: 9.3 / 10</i>	<b>2023 – 2027</b> <i>Vellore, Tamil Nadu</i>
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## Experience

<b>Marwadi Shares and Finance Limited (MSFL)</b> <i>Flutter App Developer Intern</i>	<b>May 2025 – Jun 2025</b> <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**.

<b>Centre for Social Entrepreneurship and Development, VIT</b> <i>Core Committee Member</i>	<b>Apr 2024 – Feb 2025</b> <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

<b>MediForgeLLM – Medical Domain LLM</b>   <i>Python, PyTorch, HuggingFace, Transformers, FastAPI</i> 	<ul style="list-style-type: none"><li>– Built a <b>parameter-efficient medical LLM</b> using <b>LoRA</b> and <b>4-bit NF4 quantization</b> for low-VRAM training.</li><li>– Fine-tuned a <b>LLaMA-style model</b> on medical instruction data to improve clinical terminology understanding.</li><li>– Developed a complete <b>LLM training-to-inference workflow</b> using modern Hugging Face tooling.</li></ul>
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<b>QueryWeaver – Natural Language to SQL Engine</b>   <i>Python, PyTorch, Hugging Face, FastAPI, NLP</i> 	<ul style="list-style-type: none"><li>– Built an <b>end-to-end Text-to-SQL system</b> converting natural language questions into executable SQL queries using a <b>fine-tuned T5 transformer</b> on the <b>WikiSQL</b> dataset.</li><li>– Designed a <b>modular ML pipeline</b> with data ingestion, validation, transformation, training, and evaluation stages for reproducible experimentation.</li><li>– Applied task-specific <b>text-to-text prompting</b> to improve semantic alignment between user intent and SQL syntax.</li></ul>
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<b>EcoMind – AI Waste Classifier</b>   <i>Flutter, Firebase, Firestore, Python</i> 	<ul style="list-style-type: none"><li>– Trained a <b>CNN-based waste classification system</b> achieving <b>92% accuracy</b> across <b>15+ categories</b>.</li><li>– Built a <b>recycling recommendation engine</b> and deployed a <b>Dockerized Flask REST API</b>.</li><li>– Reduced waste sorting time by <b>60%</b> through AI-assisted classification.</li></ul>
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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

<b>Complete Data Science, Machine Learning, Deep Learning &amp; NLP Bootcamp</b> <i>Udemy</i>	<b>Oct 2025</b>
<b>Artificial Intelligence A–Z 2026: Agentic AI, Generative AI &amp; Reinforcement Learning</b> <i>Udemy</i>	<b>Jan 2026</b>
<b>Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate</b> <i>Oracle University</i>	<b>Jan 2026</b>
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