

# KRISH MANIYAR

Rajkot, Gujarat, India

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## Education

**Vellore Institute of Technology (VIT)**

2023 – 2027

B.Tech in Computer Science and Engineering — CGPA: 9.28 / 10

Vellore, Tamil Nadu

## Experience

**Marwadi Shares and Finance Limited (MSFL)**

May 2025 – Jun 2025

Flutter App Developer Intern

Remote

- Built and deployed an enterprise chat application using Flutter and .NET SignalR; load-tested to 100+ concurrent users and cutting internal response times by 40%
- Implemented real-time file upload and download features with read/unread message tracking and group chat functionality to enhance collaboration and communication efficiency.

**Centre for Social Entrepreneurship and Development, VIT**


Apr 2024 – Feb 2025

Core Committee Member

Vellore, TN

- Organized and led a national-level hackathon with 200+ participants, managing end-to-end logistics, sponsor outreach, and digital promotions.
- Increased event visibility by 60% via targeted social media strategy and technical content engagement.


## Projects

**Book Recommender System** | Python, NLP, LangChain, HuggingFace, ChromaDB, Gradio 

- Engineered a semantic book recommendation system using Sentence-Transformers and ChromaDB vector store across 5,197 books.
- Integrated sentiment analysis to classify books by emotional tone (joy, surprise, anger, fear, sadness) and combined it with category-based filters to deliver highly personalized recommendations tailored to user preferences.

**AI-Powered Phishing Detection System** | Python, Scikit-learn, FastAPI, AWS, Docker, MLflow 

- Developed a modular ML pipeline for real-time phishing website detection using 5 algorithms (RF, DT, GB, LR, AdaBoost) with automated model selection.
- Implemented 30+ engineered security features (URL patterns, SSL states, reputation metrics); achieved 98% accuracy, 94% precision, 92% recall on PhishTank-derived test set.

**EcoMind – AI Waste Management App** | Flutter, TensorFlow Lite, Firebase, Gemini API 

- Built a Flutter mobile app for waste classification using TensorFlow Lite (MobileNetV2), achieving 89% accuracy on 13-category dataset (35K+ images).
- Integrated Firebase for authentication, real-time storage, and Gemini chatbot for intelligent user interaction and disposal guidance.

**CV Builder Web App** | ReactJS, Context API, html2canvas, GitHub Pages 

- Developed dynamic resume generator with real-time preview and customizable templates; implemented PDF export using html2canvas.
- Implemented a full-featured resume builder web app with a dual-panel layout for real-time preview and customizable sections including education, skills, and experience.

## Technical Skills

**Languages:** Python, C++, Java, JavaScript, R

**Machine Learning / AI:** Scikit-learn, NLP, HuggingFace, LangChain, Gradio, ChromaDB, MLflow

**Web / Backend:** FastAPI, Flask, .NET Web API, REST, Uvicorn

**Mobile / Frontend:** Flutter, ReactJS, React Native, HTML, CSS, TailwindCSS, Firebase

**Cloud / DevOps:** AWS, Docker, GitHub, Linux

**Tools:** Git, Pandas, NumPy, Matplotlib, Seaborn