

# Muvvala Krishna Kiriti

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## EDUCATION

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**Vellore Institute of Technology, Bhopal**  
B.Tech ECE with Specialization in AI and Cybernetics

*Cumulative: 8.33/10  
Graduating in July 2026*

## SKILLS

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**Programming & Data** Python, Java, HTML, SQL, NumPy, Pandas, Matplotlib, Scikit-learn

**AI & ML** PyTorch, OpenCV, CUDA, LangChain, Deep Learning, Tableau, NLP

**MERN Stack** React, Node.js, MongoDB, ExpressJS, SQL

## EXPERIENCE

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### AI Intern, Infosys Springboard

*Sep 2025*

- Developing an AI-powered audiobook generator using advanced NLP for text enrichment and open-source text-to-speech synthesis. Implemented LLM-based narration enhancement.

## PROJECTS

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### RAG-based Efficient Customer Support with Semantic Analytics

*Sep 2025*

Python, LangChain, Hugging Face, Pinecone, Streamlit, API, Agile methodology

- Engineered a customer support solution using RAG to process 1,000+ knowledge base documents.
- Developed a real-time escalation dashboard with chat summaries, 10+ issue tags, and multi-class sentiment analysis for seamless handoffs.
- Integrated semantic search with FAISS over 1,000+ text chunks, boosting retrieval accuracy by 30%.

### Rural Connect Project

*Dec 2024*

ReactJS, NodeJS, MongoDB, REST APIs

- Built a full-stack web platform enabling farmers to discover eligible government schemes using dynamic filters such as age and location.
- Designed and implemented RESTful APIs with NodeJS and MongoDB to efficiently serve scheme and user data.
- Improved system reliability through testing, debugging, and cross-functional collaboration in an Agile team.

### Real-Time Facial Emotion Recognition using CNNs

*Sep 2024*

Python, OpenCV, TensorFlow, Keras

- Built a Convolutional Neural Network (CNN) to classify facial expressions into 7 emotion categories.
- Achieved 92% accuracy in the validation set and deployed the model for real-time emotion detection from webcam video.

## HONORS, AWARDS & HACKATHONS

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- Co-authored research paper “Education AI,” published by Springer, 2025
- Second Round in IIK Empresario, participated in ISRO and L’Oreal and other hackathons
- Finalist, VIT Bhopal Industrial Conclave, 2024
- Winner, Blockchain Debate organized by Zeeve, 2023