

Muvvala Krishna Kiriti

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EDUCATION

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

*Cumulative: 8.33/10
Graduating in July 2026*

SKILLS

Programming & Data Python, Java, HTML, SQL, NumPy, Pandas, Matplotlib, Scikit-learn
AI & ML PyTorch, OpenCV, CUDA, LangChain, Deep Learning, Tableau, NLP
Big Data & DevOps Hadoop, Apache Spark, Kafka, Snowflake, Docker, Kubernetes

EXPERIENCE

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

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%.

Amazon Q&A Customer Insights Engine *Jul 2025*
Python, BERTopic, PyTorch, CUDA, Tableau
• Engineered an NLP pipeline leveraging BERTopic to extract 25+ distinct themes from 300,000+ Amazon customer questions.
• Quantified and visualized the top 5 customer priorities across categories.

Real-Time Facial Emotion Recognition using CNNs *Dec 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

- Co-authored research paper “Education AI,” published by Springer, 2025
- Participated in PROT-BERT protein sequence analysis research as coursework
- Finalist, VIT Bhopal Industrial Conclave, 2024
- Winner, Blockchain Debate organized by Zeeve, 2023
- Participated ISRO, L’Oreal, IDFC and other hackathons
- Silver Medalist, Inter-school Abacus, 2015