Muvvala Krishna Kiriti

Mobile: +91-7013378027 | Email: muvvalakiriti@gmail.com

LinkedIn: https://www.linkedin.com/in/kiriti- muvvala-41b19321a/ | GitHub: https://github.com/E40R

EDUCATION

Vellore Institute of Technology (VIT), Bhopal   May 2022-Jan 2026
B. Tech -ECE (specialization Artificial Intelligence and Cybernetics)
CGPA: 8.31/10.0

CBSE Class XII   July 2022
Pallavi Model, Hyderabad
Percentage: 79%

CBSE Class X
Vikas Concept School, Hyderabad   May 2020
Percentage: 92%

SKILLS

Technical: Python, Java, JS, HTML, NumPy, Pandas, Matplotlib, SQL.

AI&ML: OpenCV, Pandas, NumPy, Py-Torch, Transformers, Scikit-learn, Tableau, Excel

Dev Tools: Git, VS Code, Ubuntu

Certifications: Coursera Machine Learning, MATLAB Onramp, Image Processing, Oracle Java Developer, IBM Data science*

Workshops: ROBOAI, Industrial Conclave, Ethnus Mern full stack.

PROJECTS

Amazon Q&A Customer Insights Engine   July 2025
Topic Modelling
- ◦ **NLP Pipelines**: Engineered an unsupervised NLP pipeline using BERTopic and Sentence-Transformers (all-MiniLM-L6-v2) to analyze and extract key themes from over 300,000 customer questions on Amazon Q&A dataset (UCSD dataset)
- ◦ **Discovered and quantified key customer priorities**: Discovered across different product categories, revealing that electronics inquires focused on what and apparel question focused on what.
- ◦ **Visualization**: Developed interactive visualizations to present topic relationships and keyword importance, making complex data insights accessible to non-technical stakeholders.
- ◦ **Tech-Stack**: Python, Pandas, BERTopic, Sentence-Transformers, Py-Torch (CUDA), NLTK, Tableau/PowerBI

ProtBERT
Built a BERT-based model to classify protein sequences using NLP-style tokenization and embedding.   April 2025
- ◦ **Protein Sequence Analysis**: ProtBERT revolutionizes protein sequence analysis by applying natural language processing techniques.
- ◦ **BERT Model**: Understood about BERT model and used protein sequences instead of word
- ◦ **Tech-Stack**: Data Preprocessing, Python, Transformers

Face Emotion Recognition using CNN   December 2024
Image Processing
- ◦ **Data Preprocessing**: Gained experience in data preprocessing of data that is uploaded online.
- ◦ **Image Classification**: Learned how to perform image classification using Python.
- ◦ **Emotional Synthesis**: Implemented image classification and face and emotion detection
- ◦ **Tech-Stack**: Python, Data preprocessing, Open CV

Rural Connect Website   October 2024
Full-Stack Website
- ◦ **Built a full stack website:** for farmers to help them find government schemes based on various filters.
- ◦ **Connected to NoSQL MongoDB:** Utilized MongoDB for backend operations which used JSON file format.

Robo AI Boston Dynamics Project   August 2024
ROS2 CAD project
- ◦ **Integrated ROS2 with CAD Models**: Developed a robust simulation environment by integrating ROS2 with CAD models.
- ◦ **Tech-Stack**: AutoCAD, ROS2, Ubuntu

HONORS, AWARDS, HACKATHONS

- ◦ Finished Forage internships from Accenture, Deloitte , BCG
- ◦ Co-authored research paper "**Education AI**" published by **Springer**, 2025
- ◦ Finalist, VIT Bhopal Industrial Conclave, 2024
- ◦ Won **Blockchain Debate** organized by Zeeve, 2023
- ◦ L'Oreal Sustainability Challenge Participant and Currently participating in Samsung solve for tomorrow, Adobe, ISRO hackathons
- ◦ Silver Medalist, – Inter-school Abacus 2015