

Kalwakuntla Manikanta

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EDUCATION

- | | |
|---|---|
| • Vellore Institute of Technology
B.Tech in CSE (AIML) CGPA: 7.97/10.0 | Bhopal, Madhya Pradesh
August 2022 – June 2026 |
| • NSR Impulse Education Institution
Percentage: 93.7% | Hyderabad, Telangana
June 2020 – March 2022 |
| • Shantiniketan Vidhyalaya
Percentage: 61.5% | Hyderabad, Telangana
June 2019 – April 2020 |

TECHNICAL SKILLS

- **Skills:** Python, HTML, CSS, SQL
- **Data Visualization Tools:** Power BI, Excel, Tableau
- **Course Work:** Data Structures and Algorithms

PROJECTS

SENTIMENTAL ANALYSIS USING AI-ML | *python,scikit learn,pandas,numpy,matplotlib*

- Built and optimized a machine learning model to classify text sentiment (positive, negative, neutral) using NLP techniques like tokenization, stop-word removal, and stemming..
- Performed Data Preprocessing including tokenization, stop-word removal, and stemming.
- Implemented a data-driven dashboard leveraging Matplotlib/Seaborn for real-time sentiment trend monitoring..

AI-Powered Chatbot for Customer Support | *Python, NLP, and Machine Learning*

- Developed an AI-powered chatbot using Python and Natural Language Processing (NLP) to simulate real-time customer support, enhancing user engagement and response efficiency.
- Integrated machine learning models to improve the chatbot's understanding of user queries, enabling adaptive learning and context-aware responses.
- Designed an AI-powered chatbot using Flask/Django, creating an interactive web interface for instant user support and real-time information retrieval.
- Optimized chatbot performance by refining conversational flows, ensuring accurate intent recognition and improving user experience in handling a variety of inquiries.

HUMAN ACTIVITY RECOGNITION HARNESSING THE POWER OF 2D-CNN USING ACCELEROMETER DATA |

- Tools Used: Python, TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy, SciPy, Matplotlib, Seaborn.
- Engineered a 2D-CNN deep learning model to precisely recognize and classify human activities..
- Processed Accelerometer Data by converting time-series signals into 2D representations (e.g., spectrograms or images)..
- Used Data Augmentation Techniques to improve model generalization on new data..

CERTIFICATIONS

- AWS Solution Architect by ETHNUS
- Gen AI by IBM
- Data Analytics Job Simulation by DELOITTE

ACHIEVEMENTS & RESPONSIBILITIES

- 1st Place in Cricket and Kabaddi at Advitya Sports Event
- 1st Place in Kabaddi and Volleyball at Arambh Sports Event
- Co-ordinator, Mana Telugu Club VIT Bhopal, organized cultural and tech events enhancing student engagement.

OTHER INFORMATION

- **Languages:** English, Hindi, Telugu
- **Hobbies:** Playing Cricket, Listening Music, Tech Exploration