

Venkateswari Thota

Computer science and Engineering
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EDUCATION

•Rajiv Gandhi University of knowledge Technologies,Nuzvid

Bachelor of Technology in Computer Science and Engineering

2022-26

CGPA: 9.0

PERSONAL PROJECTS

•AgriSense website -Farmer assistance

AgriSense website is designed to assist farmers with agricultural support and guidance.

- Designed AgriSense website serves predictions(crop,rainfall,yield,price of crop) , recommendations (crop,fertilizers) and crop disease finding.
- Including a Chatbot implemented using Meta-Llama2 model and fine tuned with agricultural data,it provide responses to various farming queries.
- Technology Used: React.js,Flask,ML,DL, HuggingFace Transformers,Weather API.

•Stress Social media Post

ML model performs detection of stressful social media posts.

- Implemented a ML model that detects the stressful social media posts.
- Technology Used: Scikit-learn,NLP,python,Flask.

•Real-time gesture recognition and translation

LSTM model detects gestures in live video.

- Performs the transcription of signs in the capturing live video through webcam.
- Technology Used : OpenCV ,pyTorch,MediaPipe,Webcam,python ,Djngo.

•Yolo Class-Driven object segmentation

Yolov8 model performing the selected class objects segmentation.

- Technology Used: YOLOv8,Mask R-CNN ,OpenCV , Python.

•News Paper Chatbot

The chatbot answer the queries related to the uploaded newspaper.

- The implemented RAG-pipeline News Paper chatbot answer for various queries related to uplaoded newspaper.
- Technology Used: Langchain,RAG,Transformers,NLP,Python,Streamlit.

EXPERIENCE

•Machine Learning Virtual Internship

Feb - Apr 2024

Academor

Online

- In-depth understanding of supervised and unsupervised machine learning models, including regression, classification, clustering, and dimensionality reduction techniques.
- Hands-on experience in building, evaluating, and optimizing machine learning and Deep Learning models using libraries like Scikit-learn, TensorFlow, and Keras.
- Experience in deploying machine learning models using Flask, FastAPI, or cloud platforms like AWS and Google Cloud for real-world applications.

TECHNICAL SKILLS AND INTERESTS

Languages: C, Python, Javascript, HTML+CSS ,Java

Libraries : Numpy,Pnadas,Scikit-learn,TensorFlow,Keras,NLTK,Langchain,Openai

Web Dev Tools: VScode, Git, Github

Frameworks: ReactJs ,Bootstrap,Flask,Django.

Cloud/Databases: MongoDB, Relational Database(mysql).

Relevant Coursework: DSA, OS, DBMS, SE.

Areas of Interest: ML ,DL ,NLP , GenAI and Web Design and Development

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

ACHIEVEMENTS

- Participated in Flipkart Runway, TVS credit IT challenge, Prod-EG Hackathon, Pixel Wizard and many more
- EDX certificate for 'AI for everyone' course
- NSS volunteering since 4 years