

HARIKA JADAM

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Education

Lakireddy Bali Reddy College of Engineering

Bachelor of Technology in Computer Science Engineering – CGPA 9.25/10

2021 – 2025

Mylavaram, India

Internship Experience

Alladi Cloud Solutions - Intern

DataScience - Intern

May 2025 – Present

Hyderabad, India

- Developed a real-time anomalous activity detection system using YOLOv8 to identify events like fighting, robbery, and explosions in CCTV surveillance feeds. Integrated live video streaming and automated email alerts for immediate response.

CSIR Fourth Paradigm Institute

Weather and Climatic Research - Intern

May 2024 – September 2024

Bengaluru, India

- Selected sugarcane as the crop for research in Andhra Pradesh, conducting data visualization and analysis to understand its cultivation factors like relative humidity, soil water level, temperature, precipitation, and wind speed
- Collaborated with a team of research scientists to apply machine learning and deep learning techniques for weather and climatic modeling, enhancing the analysis of sugarcane cultivation impacts.

Projects

AI Chatbot for Crop Yield Optimization and Disease Prevention | *Deep Learning , PyOWM API , Streamlit, SQLite*

- Built an AI chatbot using deep learning, weather API (PyOWM), and Streamlit to predict crop yield and detect plant diseases. Supported multiple languages and used SQLite to store data and provide useful farming suggestions.

Fire Detection System with Automated Alarm Activation | *Tkinter, Python, CNN*

- Developed a Tkinter-based application using a pre-trained CNN model for real-time fire detection. Achieved an improved accuracy of 95% and implemented automated alarm activation upon fire detection to enhance emergency response times.

Multi PDF RAG Chatbot | *Python, llama3, Gradio, HuggingFace*

- Created a multi-PDF RAG Chatbot with Python, llama3, Gradio, and HuggingFace. Utilized Retrieval-Augmented Generation (RAG) models for 76% accurate document responses, deployed on Hugging Face for efficient access.

Dynamic Wedding Agency Website | *HTML, CSS, JS,JSP, Oracle DB*

- Designed and developed an interactive online platform for wedding services, implementing features for venue booking, decorations, photography, and music arrangements. Created the backend using Java Servlets and JSP with an Oracle database.

Technical Skills

Programming:C,Python,Java Standard Edition

Web Development: HTML, CSS, JDBC

FrameWorks: Flask,Django,Tkinter,Tensorflow(Basics)

Databases: MySQL,MongoDB,DBMS

Tools:VisualStudio,Github,Python Idle

Certifications

Infosys Certificate of Achievement: Machine Learning Foundation

HackerRank Certifications:Basics of Python and Java

IBM Certifications:SQL,Relational Database Fundamentals

NPTEL Certifications: The Joy of Computing using Python & Internet of Things

Achievements

- Awarded Gold Medal for securing the highest academic performance in the CSE(AIML) branch during B.Tech graduation.
- Achieved the consolation prize at INNOVASIA 2022 National Level Hackathon in Hyderabad by leading a team to create an innovative Agritech Website.
- Awarded first place in college for the 2022-2023 academic year, receiving a merit certificate and cash prize.