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EDUCATION

Lakireddy Bali Reddy College of Engineering, Mylavaram

2021 - 2025

B.Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning)

9.09/10 CGPA

INTERNSHIP

Alladi Cloud Solutions

May 2025 – Present

Data Science

- Developing a YOLO-based object detection model to identify anomalous activities (e.g., fighting, robbery) in real-time CCTV surveillance feeds.

CSIR Fourth Paradigm Institute (CSIR-4PI)

May 2024 – September 2024

Research Intern

- Predicted sugarcane yield in Andhra Pradesh using environmental parameters like humidity, soil moisture, and temperature.
- Performed rigorous data preprocessing to clean and transform the dataset for reliable model training.
- Trained and evaluated multiple machine learning models, including Random Forest, XGBoost, and CatBoost, to identify the best algorithm for accurate yield prediction.

PROJECTS

AI Chatbot for Crop Yield Optimization and Disease Prevention – Deep Learning, PyOWM API,

Streamlit (Multilingual UI), SQ Lite

- Developing an AI-powered chatbot for crop yield prediction and disease prevention, integrating deep learning models, real-time weather forecasting, and multilingual support.

Mouse Cursor Control Using Eye and Facial Movements - Python, Open CV

[Source Code](#)

- Introducing a hands-free HCI system using eye and facial-based input for quadriplegics or individuals with limited hand mobility.

Online Ice-Cream Webstore - HTML, CSS, JSP, MySQL, JavaScript

[Source Code](#)

- A website for selling ice cream was created that accepts user orders effortlessly and manages order processing and delivery logistics well.

Crop Price Predictor – Python, Machine Learning, HTML, CSS, Deep Learning [Source Code](#)

- This project estimates crop prices based on user-provided factors in order to maximize profit and provides appropriate crop pricing.

TECHNICAL SKILLS

- **Languages:** C/C++, Python, Core java
- **Web Technologies:** HTML, CSS, JDBC
- **Data Science:** Machine Learning, Deep Learning
- **Frameworks:** TensorFlow, Flask, Tkinter(Basics)
- **Database:** MySQL
- **Coursework:** Data Structures and Algorithms, Database Management Systems (DBMS).

ACHIEVEMENTS

- Won Consolation prize in INNOVASIA 2022 National Level Hackathon
- Winners of Quiz Championship in Lakshya 2k24

CERTIFICATIONS

- The Joy of Computing using Python – NPTEL
- IBM Certification in Relational Database.