

AJAY RANGARAJU

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OBJECTIVE

Aspiring Artificial Intelligence and Machine Learning engineer seeking a challenging position to leverage strong programming skills, solid foundation in data structures and algorithms, analytical thinking, and knowledge in data analysis to contribute to innovative projects and continuous learning within a dynamic organization.

EDUCATION

B.Tech in Artificial Intelligence and Machine Learning

Siddhartha Institute of Technology and Science, Hyderabad

2022 - Pursuing

CGPA : 8.86

Intermediate, Donbosco Junior College, Chandur, Nalgonda

2020 - 2022

Percentage :91.2%

SSC, Sunshine High School, Chandur, Nalgonda

2020

GPA : 10

SKILLS

Programming Languages

C, Cpp, Java, Python, SQL

Frameworks

React, Bootstrap, Flask, Nodejs

Web Technologies

HTML, CSS, JavaScript

CS Fundamentals

DBMS, DSA, NLP, ML

Soft Skills

Analytical Thinking, Team Work, Communication, Problem Solving

Certifications

Artificial Intelligence Fundamentals (IBM)

Python programming (GUVI Geek Networks)

PROJECT

Local Multimedia Chat Bot Using NLP

Tech Stack: Python, Streamlit, LangChain, HuggingFace, SQLite, OpenCV, Transformers, Llama.cpp

- Designed and developed a multimodal AI chatbot supporting text, audio, image, and PDF inputs using NLP, computer vision, and speech recognition.
- Built an intuitive web interface with Streamlit and integrated backend logic using LangChain powered by LLAMA and Mistral LLMs.
- Enabled context-aware responses and chat continuity through session tracking and storage using SQLite.
- Implemented a modular, offline-capable architecture to ensure scalability, data privacy, and enhanced user accessibility.

EXTRA-CURRICULAR ACTIVITIES

- Head of Funds and Finance Club in the college.
- Top 5 Finalist, BrainoVision Web Development using AI Tools Hackathon. Developed InvestoHub, a platform that connects startups, investors, and the public, enabling direct investments in early-stage ventures. Recognized among the top 5 teams in an inter-college competition for innovation and practical impact.