

Yadava Sai Sri Madhav

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GitHub: <https://github.com/Madhav-150>

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Career Objective

Aspiring Artificial Intelligence and Machine Learning Engineering student, seeking an entry-level role in AI/ML. Passionate about solving real-world problems using technology, with strong fundamentals in programming, Data Structures, AI agents, and collaborative teamwork.

Experience

AI/ML Intern — Infiposts Private Limited | September 2025 – Present

- Developed an intelligent chatbot system using AI/ML techniques.
- Created and processed custom datasets tailored to project requirements.

Projects

RAG-Based Document QA Chatbot | AI-Powered RAG System

- Developed a Retrieval-Augmented Generation (RAG) chatbot using LangChain, FAISS, and Streamlit to answer queries from uploaded documents (PDF/TXT/DOCX). Built a flexible backend supporting Google Gemini (2.5) and Ollama, allowing users to switch between cloud-based and local LLMs. Engineered an ingestion pipeline with document loaders and recursive text chunking, optimizing vector space retrieval for high accuracy. Designed a context-aware conversational interface that retains chat history for seamless user interaction.

Technologies Used: Python, LangChain, FAISS Vector Store, Streamlit, Google Gemini API, Ollama, PyPDF.

Misinformation Detection System | AI-Powered Misinformation Identification Platform

- Built a real-time misinformation detection system using BERT, PyTorch, and Streamlit with LLM integration, enabling accurate, explainable, and scalable classification of political news articles.

Technologies Used: Python, BERT, PyTorch, Hugging Face Transformers, Streamlit, Pandas, NumPy, scikit-learn.

Tropical Cyclone RI Prediction System | AI-Powered Rapid Intensification Forecasting Platform

- Developed a real-time Tropical Cyclone RI Prediction System using a custom CNN model with Flask, live NOAA/IMD satellite data, and an interactive dashboard for AI-powered, location-aware cyclone tracking and risk prediction.

Technologies Used: Python, TensorFlow, Keras, Flask, OpenCV, PIL, NOAA APIs, NumPy, Matplotlib.

Skills

Programming Languages: Python, Java, C, C++, SQL.

Tools & Platforms: Windsurf, Antigravity, MongoDB, Postman, REST APIs(Familiar), GenAI.

Core Subjects: Data Structures and Algorithms, DBMS, Machine Learning, DL, NLP

Education

REVA University

UG: B.Tech in CSE (AI & ML), CGPA: 8.3

Bangalore, Karnataka

2022 – present

Narayana Junior College (Board of Intermediate Education)

PUC: MPC, Marks: 832/1000

Kurnool, Andhra Pradesh

2020 – 2022

St. Joseph's English School

High School (CBSE), Percentage: 75%

Kurnool, Andhra Pradesh

2019 – 2020

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Certificates

- Programming in Modern C++ (NPTEL)
- Completed an online internship in Machine Learning at Skill Craft Technology, worked with ML models for classification tasks, and received a Letter of Recommendation for my work. (April 2025)
- DSA in Python (Beginner Level – Infosys Springboard)
- SQL (Intermediate – HackerRank)
- Gen AI (Coursera)

Strengths

Lifelong Learner | Communication | Collaboration | Creativity | Time Management | Problem Solver

Achievements

Co-curricular activities: Freestyle Dancer - won 1st prize in VIT Dance Competition (Riviera 2025).