

Pothuri Krishna Surya Chowdary

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Career Objective

Motivated and hands-on data science student passionate about applied AI, LLMs, and intelligent systems. Seeking an internship opportunity to apply my skills in AI research, model development, and system integration.

Experience

AI Intern — Planto AI

Jul 2025 – Dec 2025

- Working on LLM-powered systems and RAG-based pipelines for scalable automation and knowledge retrieval.
- Exploring multi-agent orchestration and prompt optimization for applied AI solutions.

Machine Learning Intern — SmartEd (Virtual)

Apr 2025 – Jun 2025

- Contributed to model development and evaluation for educational intelligence tools.
- Implemented data preprocessing, model tuning, and evaluation pipelines for production-ready ML models.

Education

Integrated B.Sc.-M.Sc. in Data Science, VIT AP

2022 – Present

- Coursework: Machine Learning, Deep Learning, NLP, SQL, Data Mining, and AI Ethics

Research Paper

Co-author, “An Ensemble-Based Hybrid System for Personality Prediction Using MBTI Framework” — Accepted at **IDCEN 2025 Conference (Dec 2025)** with copyright transferred. The paper proposes a hybrid personality prediction model integrating deep learning (BERT-LSTM) and rule-based interpretability layers.

Projects

Personality-Based Recommendation System

Jan 2025 – May 2025

- Built a hybrid system integrating BERT-LSTM and rule-based scoring for personality prediction and recommendations.
- Integrated APIs for real-time movie, music, and book recommendations.
- Designed scalable FastAPI backend and interactive front-end prototypes.

Ongoing Project – LLM & Multi-Agent Systems (LangChain)

Aug 2025 – Present

- Developing a multi-agent AI framework combining RAG, LLM orchestration, and dynamic tool use.
- Experimenting with retrieval optimization, agent communication, and adaptive task delegation.

Local Chatbot for Research and Testing

Mar 2025 – Apr 2025

- Developed a chatbot prototype to test and compare different LLMs and API interaction methods.
- Used LM Studio for local inference and evaluated prompt-response behavior using custom endpoints.

Technical Skills

- **Languages/Frameworks:** Python, FastAPI, TensorFlow, PyTorch, LangChain, Hugging Face
- **Concepts:** Machine Learning, NLP, Deep Learning, LLMs, RAG, Multi-Agent Systems
- **Tools:** Pandas, NumPy, Scikit-learn, Jupyter Notebook, Matplotlib, Seaborn, LM Studio, REST APIs
- **Databases:** Learning SQL (Academic)

Extracurriculars

- Actively exploring emerging AI tools, LLM architectures, and applied system design.
- Led academic AI research collaborations and contributed to peer-reviewed publications.