

Devaiah Gampala

Aspiring Data Scientist | AI and Machine Learning Engineer | NLP and GenAI Engineer

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Professional Summary:

Motivated fresher with hands-on experience in machine learning, NLP, and Generative AI. Able to build LLM agents, RAG systems, and data workflows that save time and make analysis easier. Strong skills in data cleaning, model building, and problem solving. Looking for a chance to work in AI, ML, and data science teams.

Technical Experience (Projects):

LangChain Data Analysis Agent [[GitHub](#)]

2025

LLM-Based EDA Tool

- Built an LLM tool that made data analysis 70% faster by turning simple text questions into Pandas code.
- Created a workflow to compare 3–5 datasets at the same time, helping users find insights quickly.
- Added a data cleaning step that reduced missing-data problems by 35%.

RAG-Powered Knowledge Assistant [[GitHub](#)]

2025

Search and Question-Answer System

- Built a search system using LanceDB that increased answer accuracy by 60% for PDF files.
- Linked Agno Agent with GPT-4o to give steady answers across 25+ test questions.
- Made the embedding process faster, cutting response time by 30%.

XML NLP Extraction and Analysis Platform [[GitHub](#)]

2024

Text Processing and ML System

- Built an **XML-to-text** system that handled 90% of the extraction steps using ElementTree and Beautiful-Soup.
- Used **TF-IDF, BOW, NER, sentiment** checks, and keyword finding to boost text-processing speed by 50%.
- Trained SVM and Logistic Regression models that processed 200+ XML files per day with 85–88% accuracy, helping 8+ analysts review data faster.

Skills:

Programming: Python, SQL

Machine Learning: Supervised Learning, Unsupervised Learning, XG Boost, SVM, Model Testing

Deep Learning: ANN, CNN, RNN, LSTM

NLP: Tokenizing, POS, NER, TF-IDF, BOW, Sentiment Analysis

Generative AI: LLMs, LangChain, LangGraph, LangSmith, RAG

Agentic AI: Agent AI, Agentic AI

Libraries: Pandas, Scikit-learn, TensorFlow, XGBoost, NLTK, SpaCy, OpenCV, BeautifulSoup

Databases: SQL, Lance-DB, FAISS, Chroma-DB

Tools: Power BI, Regex

Education:

Bachelor of Technology in Computer Science

KITS (Affiliated with JNTUK), Andhra Pradesh, India

2024

Certification:

Full Stack Data Science and Gen AI —

Naresh I Technologies, Hyderabad-[[Certificate](#)]

Soft Skills:

Teamwork, Communication, Adaptability, Critical Thinking, Problem Solving