NAVADEEP KANDRU

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Summary

Machine Learning and AI Engineer skilled in LLMs, RAG pipelines, NLP, and deep learning. Experienced in building end-to-end AI applications, optimizing model performance, and deploying scalable solutions using Python, PyTorch, LangChain, SQL, and Power BI. Strong problem-solving, project development, and collaborative experience through internships and academic projects.

Education

- **Indian Institute of Information Technology, Sri City** — **Expected May 2027**
  B.Tech in Artificial Intelligence and Data Science — CGPA: 7.85/10
- **Harvest Senior Secondary School (CBSE)** — **2021–2023**
  MPC — Percentage: 85.6%

Experience

Ropeli AI — **Nov 2025 – Present**
AI/ML Intern

- Developing an AI-powered chatbot using LLMs to automate user interactions.
- Implementing Retrieval-Augmented Generation (RAG) pipelines with vector databases to improve response accuracy.
- Optimizing model latency and integrating NLP modules into production workflows.

Projects

Medical-Chatbot GitHub
AI-powered healthcare chatbot using LLMs and Retrieval-Augmented Generation (RAG).

- Built retrieval pipeline using LangChain & HuggingFace, improving contextual accuracy.
- Integrated Mistral model via Ollama with custom safety filters for medical guidance.
- **Tech Stack:** Python, LangChain, RAG, PyTorch, HuggingFace, Flask, Mistral.

Sales-Insights Dashboard GitHub
Interactive dashboard for sales analytics with automated data pipelines.

- Designed Power BI & Matplotlib dashboards for revenue, demand, and regional KPIs.
- Built ETL pipeline for cleaning, transforming, and loading sales data.
- **Tech Stack:** Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, SQL, Power BI.

Fake-News Classifier (RNN/LSTM/GRU) GitHub
Deep learning model for fake-news classification on benchmark datasets.

- Trained and compared RNN, LSTM, and GRU models for text classification.
- Implemented tokenization, embeddings, and sequence padding for optimized training.
- **Tech Stack:** Python, TensorFlow, Keras, PyTorch, NLTK, Scikit-learn.

Technical Skills

- **Programming:** Python, C++
- **Machine Learning:** Regression, Classification, SVM, Random Forest, XGBoost
- **Deep Learning:** CNNs, RNN, LSTM, GRU, Transformers
- **LLMs & NLP:** LangChain, RAG, Embeddings, Vector Databases (FAISS), Mistral
- **Data Science:** Pandas, NumPy, Power BI, EDA, Feature Engineering
- **Frameworks:** PyTorch, TensorFlow, Scikit-learn
- **Tools:** Git, GitHub, Docker, Streamlit, Flask, CI/CD
- **Databases:** SQL

Achievements

- Led team for **Smart India Hackathon 2025**, proposing an AI-driven unified data platform.
- Solved **200+** problems on LeetCode & GeeksforGeeks.
- Secured **AIR 21,000** in JEE Advanced.

Positions of Responsibility

- **Placement Coordinator, IIITS:** Coordinated industry interactions and recruitment activities.
- **Beatripperz Dance Club:** Organized and led cultural events and performances.