

## YUVA ARAVIND VODIBOINA

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### SKILLS

- ❖ **GenAI & LangChain:** LangChain, LangSmith, RAG pipelines, Agents, Tools, Prompt Engineering,
- ❖ **LLMs:** OpenAI, Ollama; embeddings.
- ❖ **Vector DBs:** FAISS, Chroma and Pinecone.
- ❖ **Data Preprocessing:** Handling missing data, feature engineering, normalization, and scaling.
- ❖ **ML/DL:** Scikit-learn, TensorFlow, Keras, ANN, CNN, LSTM, XGBoost, model evaluation metrics
- ❖ **Data Handling:** Pandas, NumPy, data preprocessing, feature engineering.
- ❖ **Deployment/Tools:** Streamlit, Git, Jupyter, Colab, Linux, dotenv.

### PROJECTS

#### ❖ **Advanced RAG Q&A System (LangChain + Agents + Tools)**

Built a RAG-powered QA system using LangChain agents and tools. Integrated multiple data sources (URL, Wiki, & Arxiv) and used tracing with LangSmith. Used custom retrievers for accuracy improvement.

#### ❖ **Gemini-Powered Chatbot for URL & PDF (LangChain + RAG + Gemini API)**

Developed a chatbot using LangChain and Google Gemini LLM to answer questions from user-provided URLs and PDFs. Implemented chunking, embeddings, and vector store-based similarity search for accurate contextual retrieval and response generation.

#### ❖ **Digit Recognition with CNN (Deep Learning)**

Trained CNN on MNIST using TensorFlow/Keras for handwritten digit classification. Achieved ~89% accuracy.

#### ❖ **Titanic Survival Prediction (ML)**

Built and trained models (Logistic Regression, Random Forest) using Scikit-learn to predict survival. Handled data cleaning, encoding, and achieved ~83% accuracy.

### EXPERIENCE

#### ❖ **Operations Executive | Goldbrook** *(Sept 23 to Till Now)*

Handled technical support alongside participation in legal operations.

#### ❖ **Contact Center Associate | DeliverHealth** *(Nov 22 to Aug 23)*

Provided technical support for business systems, resolving hardware and network issues to ensure smooth operations.

#### ❖ **Technical Service Associate | Valuedva** *(Jan 20 to Oct 22)*

Offered Tier-1 support for system, printer, and desktop issues remotely.

## EDUCATION

- ❖ Electronics and Communication Eng | BITS, Visakhapatnam 72.00% | 2019
- ❖ XII (STATE) | Sri Basara Junior College 70% | 2015
- ❖ X (STATE) | Madhurawada Public School CGPA: 7.8 | 2013