

Objective

Fresher Machine Learning and Generative AI intern with hands-on experience in Python,model training,and LLM -based applications, seeking to build scalable AI solutions and grow as an AI Engineer.

Experience

CodeSpyder Technologies Pvt Ltd

05/06/2024 - 10/06/2025

Data Science Intern

.Worked on data collection, cleaning,and preprocessing using Python (NumPy,Pandas).

.Built and evaluated machine learning models for classification and regression tasks.

.Performed exploratory data analysis (EDA)and feature engineering to improve model performance.

.Assisted in implementing AI and data-driven solutions for real-world use cases.

.Documented results and collaborated with mentors to refine models and workflow ls.

Education

Pimpri Chinchwad College of Engineering, Nigdi, Pune

MCA

2024 —

Skills

- Languages: Python,SQL
- Libraries and Frameworks: NumPy, Pandas, Matplotlib,Seaborn,Scikit_learn,Tensorflow,Keras
- Machine Learning: Classification, Regression, Clustering, Feature Engineering, Hyperparameter tuning, Model Evaluation and optimization, Transfer Learning
- Deep Learning and NLP:Neural Networks(ANN,CNN,RNN and LSTM),Text Preprocessing (Stemming,Lemmatization,Stopwords),Word Embedding(Word2Vec)
- Generative AI: LangChain, Langgraph,RAG(Retrieval Augmented Generation),AI agents

Projects

PDF Question-Answering Chatbot using RAG

Developed an interactive Chatbot that extracts information from PDF files and provide accurate,context-aware answers.Implemented document preprocessing, vector embeddings,and a similarity search index to retrieve relevant context for an LLM, Enabled real_time question answering through a streamlined frontend interface.

Tech Stack: Python, LangChain, OpenAI API

Conversational AI Chatbot using Langgraph

Developed an intelligent Chatbot leveraging LangGraph, LangChain and LLM integration to enable dynamic, multi-turn conversations.The system was designed to understand user intent , manage context across dialogue turns, and performs specific tasks such as question answering and data retrieval.

Key Highlights:

. Designed a graph based conversational flow using Langgraph to structure dialogue logic and control state transition .

. Integrated OpenAI /local LLMs for natural language understanding and response generation.

. Implemented memory management to maintain conversation context and improve user interaction quality.

. Connected the Chatbot to external tools to handle task-specific queries dynamically .

. Deployed the chatbot on a web interface for real time interaction .

Tech Stack :

Python, Langgraph, LangChain, OpenAI

Certifications

Learn Python from Beginner to Master: Udemy

Practical Data Science using Python: Udemy

