

Vaidik Yadav

Python & Generative AI Developer | LLMs | RAG | NLP | Vector Search

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Jabalpur, Madhya Pradesh

SUMMARY

Python Developer & Data Scientist with 1.5 years of analytics and AI development experience, specializing in Generative AI applications, vector search, and intelligent chatbot systems. Proficient in OpenAI APIs, LangChain, FAISS, and PDF parsing, with a proven track record of deploying regulation-backed, traceable AI solutions. Adept at embeddings, ranking algorithms, session management, and building RESTful APIs for scalable applications.

PROFESSIONAL EXPERIENCE

Platinus Technology Pvt Limited — Data Analyst

Hyderabad, India | Sep 2022 – Aug 2024

- Enhanced client placement visibility by 40% using Excel and Power BI dashboards, optimizing U.S. tech recruitment strategies.
- Boosted client placement rates by 20% through targeted analysis of immigrant visa data and application trends, improving targeting precision and candidate quality.
- Organized and optimized a database of 500+ job positions, reducing data retrieval time by 30% and improving accuracy for candidate matching.
- Improved team performance by 15% and reduced client response time by 10% through collaborative performance tracking and cross-functional metric analysis.

EDUCATION

Gyan Ganga College Of Technology

B.Tech – Computer Science | Jan 2021 – Jan 2025

Jabalpur, Madhya Pradesh

PROJECTS

Medical Chatbot | GitHub Repo : [Medical Chatbot](#)

Tools: LangChain, LLM, RAG, Pinecone, Hugging Face, OpenAI API, FAISS, PDF Parsing

- Created a RAG-based chatbot for retrieving responses from medical guidelines and regulatory circulars.
- Parsed 10,000+ PDF text chunks and stored embeddings in FAISS for high-speed semantic search.
- Integrated ranking and filtering logic to prioritize authoritative internal documents.
- Built a stateful session management system enabling consistent conversational context across multiple queries.

Milk Quality Classification | GitHub Repo : [Milk Quality](#)

Tools: Python | Scikit-learn | Gradient Boosting | Flask | Docker | DVC

- Developed a multiclass classification model achieving 89% accuracy for milk grade prediction.
- Integrated a Flask API for real-time inference and DVC for dataset & experiment tracking

Stock Price Prediction using LSTM | GitHub Repo : [Stock Price Prediction](#)

Tools: TensorFlow | LSTM | Time Series Analysis

- Built an LSTM-based model for predicting Apple stock price movements with walk-forward validation to prevent leakage.

SKILLS

Programming & APIs: Python, OpenAI APIs (GPT, Embeddings), RESTful API Development (Flask, FastAPI)

GenAI & NLP: LangChain, Prompt Engineering, Hugging Face, Transformers, SentenceTransformers, NLTK, spaCy

Vector Databases & Search: FAISS, Pinecone, ChromaDB, Semantic Search, Retrieval-Augmented Generation (RAG)

Document Processing: PyPDF2, PDFMiner, unstructured, text chunking & embeddings, metadata tagging

Machine Learning: Scikit-learn, CatBoost, XGBoost, RandomForest, Gradient Boosting, LSTM, Transformers

MLOps & Deployment: Docker, GitHub Actions, DVC, MLflow, AWS (EC2, S3, Lambda), Model Registry, CI/CD

Databases: MySQL, MongoDB

Visualization & BI: Matplotlib, Seaborn, Plotly, Power BI

CERTIFICATIONS & COURSES

- [PW Skills Data Analytics](#)
- [5 Minutes Engineering Data Science Noob To ProMax Batch 5](#)