

Vaidik Yadav | Data Scientist

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Jabalpur, Madhya Pradesh

SUMMARY

Data Scientist with 1.5 years of analytics experience and hands-on expertise in building and deploying AI/ML applications using Python, LLMs (LangChain, RAG), and MLOps. Proven record in building scalable GenAI solutions with Dockerized pipelines and real-time inference APIs.

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

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

Tools: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Flask, Docker, DVC, Git, MongoDB

- Built a multiclass classification model using RandomForest and Gradient Boosting, achieving 89% accuracy.
- Optimized model performance via RandomizedSearchCV, improving generalization and training efficiency.
- Preprocessed data with Label Encoding and handled missing values to ensure model readiness.
- Tracked datasets, model versions, and experiments using DVC for reproducibility.

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

Tools: Python, Pandas, NumPy, TensorFlow, LSTM, Matplotlib

- Developed LSTM-based neural network for predicting Apple stock prices based on historical trends.
- Implemented time series preprocessing with sliding windows, improving prediction stability by 18%.
- Created interactive Matplotlib plots to visualize predicted vs. actual prices for last 100 days.
- Applied MinMaxScaler and walk-forward validation to ensure temporal consistency and reduce data leakage.

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

Tools: LangChain, LLM, RAG, Pinecone, Hugging Face

- Built a RAG-based medical chatbot using LangChain, Gemini 2.5 Flash, Pinecone, and Flask, achieving 90% accuracy in test queries across 200+ medical FAQs.
 - Designed Flask REST APIs to handle >100 concurrent user inputs with <1.5s average response time by integrating efficient prompt routing and LLM orchestration.
 - Created interactive Matplotlib plots to visualize predicted vs. actual prices for last 100 days.
 - Processed and embedded 10,000+ medical text chunks using NLP pipelines for semantic search, enabling precise context retrieval from vector DBs.
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SKILLS

Programming Languages: Python, SQL,

Machine Learning, Deep Learning & NLP: Scikit-learn, CatBoost, XGBoost, LightGBM, Random Forest, Gradient Boosting, TensorFlow, Keras, PyTorch, LSTM, Transformers, NLTK, spaCy, Hugging Face, SentenceTransformers, OpenAI APIs, LangChain, Prompt Engineering

Data Processing & Analysis: Pandas, NumPy, Data Pipelines, Feature Engineering, Data Cleaning, Data Preprocessing, Time Series Analysis, Class Imbalance Handling (SMOTE), Exploratory Data Analysis (EDA), Walk-forward Validation

Model Deployment & MLOps: Flask, FastAPI, Streamlit, Docker, DVC, Git, GitHub Actions, MLflow, API Integration, CI/CD, Model Registry, Model Versioning, Hugging Face Hub

Cloud & DevOps: Amazon Web Services (EC2, S3, Lambda, SageMaker), Google Cloud Platform (Colab), Docker, GitHub, Linux, VS Code Remote

Databases & Vector Stores: MySQL, MongoDB, Pinecone, ChromaDB, FAISS

Data Visualization & BI: Matplotlib, Seaborn, Plotly, Bokeh, Power BI, Tableau, Excel

Soft Skills: Analytical Thinking, Problem Solving, Collaboration, Communication, Teamwork, Ownership, Agility

CERTIFICATIONS & COURSES

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