# Vaidik Yadav

**Data Scientist | ML & GenAI | MLOps | Python | LLMs**
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## SUMMARY

Data Scientist with 1.5 years of analytics experience designing and deploying ML, NLP, and GenAI solutions that drive measurable business outcomes. Proven track record in building end-to-end pipelines, optimizing models for speed and accuracy, and deploying production-ready applications with Docker, FastAPI, and CI/CD. Skilled in LLMs, RAG, and vector search for real-time contextual intelligence.

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## SKILLS

**Programming:** Python, SQL
**ML/DL/NLP:** Scikit-learn, CatBoost, XGBoost, LightGBM, Random Forest, Gradient Boosting, TensorFlow, LSTM, Transformers, Hugging Face, LangChain, OpenAI APIs, Supervised & Unsupervised Learning
**Data Processing:** Pandas, NumPy, Feature Engineering, EDA, Hypothesis Testing, Time Series Analysis, SMOTE, A/B Testing, PCA, ETL
**MLOps & Deployment:** Flask, FastAPI, Docker, DVC, GitHub Actions, MLflow, CI/CD, Model Deployment & Monitoring
**Cloud & Databases:** AWS (EC2, S3, SageMaker), MySQL, MongoDB, Pinecone, FAISS
**Visualization & BI:** Matplotlib, Seaborn, Plotly, Power BI, Excel

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## Professional EXPERIENCE

**Platinus Technology Pvt Limited — Data Analyst**
**Hyderabad, India | Sep 2022 – Aug 2024**

- Increased client placement visibility by 40% through interactive Excel and Power BI dashboards, enabling faster decision-making.
- Boosted placement rates by 20% by analyzing visa data and implementing trend-based targeting strategies.
- Reduced job data retrieval time by 30% via database indexing and SQL query optimization.
- Automated monthly reporting templates, saving 15+ hours of manual work per month for the analytics team.
- Partnered with cross-functional teams to implement data strategies, leading to a 15% uplift in team performance.

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## EDUCATION

Gyan Ganga College Of Technology
B.Tech – Computer Science | Jan 2021 – Jan 2025
Jabalpur, Madhya Pradesh

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## PROJECTS

**Medical Chatbot | GitHub Repo : Medical Chatbot**
*Tools: LangChain, LLMs, RAG, Pinecone, Flask, Hugging Face*

- Delivered 90% accuracy on 200+ medical FAQs using RAG-based architecture.
- Served 100+ concurrent requests with <1.5s latency through Flask REST APIs and prompt routing.
- Embedded 10,000+ medical text chunks for semantic search, improving contextual retrieval precision.

**Stock Price Prediction using LSTM | GitHub Repo : Stock Price Prediction**
*Tools: TensorFlow, Pandas, Matplotlib*

- Enhanced prediction stability by 18% via advanced time-series preprocessing & sliding windows.
- Prevented temporal leakage using walk-forward validation for robust model performance.
- Visualized predicted vs. actual prices for the last 100 trading days to validate accuracy.

**Milk Quality Classification | GitHub Repo : Milk Quality**
*Tools: Python, Scikit-learn, Docker, DVC, MongoDB*

- Achieved 89% accuracy on multiclass classification using Gradient Boosting & RandomizedSearchCV.
- Built reproducible ML pipeline with DVC and Docker for versioned deployment.
- Automated preprocessing with label encoding and missing value handling for scalability.

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## CERTIFICATIONS & COURSES

- PW Skills Data Analytics
- 5 Minutes Engineering Data Science Noob To ProMax Batch 5