

Vikram Singh Yaduvanshi

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WORK EXPERIENCE

Arya.ai – An AurionPro Company

Senior Data Scientist

(May 2024 - Present)

Selected Products:

Bank Statement Analyzer (Flagship Product – **adopted by 18+ countries**)

- Architected and led development from scratch by designing a generalized parsing and NLP-driven pipeline, creating a globally scalable product and becoming the **company's most selling product**.
- Engineered a pipeline that **reduced analysis time** to just 20 seconds, **outperforming the market's top competitor** whose average processing time was 48 hours.
- Collaborated with cross-functional teams and presented product demos to international clients, resulting in multiple high-value enterprise contracts.
- LangChain, RAG, OpenCV, Kafka, Pinecone DB, Azure, OpenAI, Computer Vision, NLP

AI Cashflow Forecasting

- Led a 4-member team to design and deploy an AI-powered cashflow forecasting application, resulting in **adoption by India's largest bank** and multiple international clients.
- Fine-tuned and integrated **generative AI (LLMs)** on financial data, automating 80% of manual classification effort and boosting cashflow forecast accuracy by 15% through cleaner semantic inputs.
- Engineered hybrid forecasting models combining statistical and ML techniques, delivering 90%+ prediction stability across 12+ banking datasets.
- Time-Series Forecast, Prophet, SARIMA, LLM, MongoDB, Git CI/CD, GCP

Data Scientist

(Nov 2021 - May 2024)

- Built and deployed an NLP-driven **GDPR compliance** checker to analyze privacy policies against 18+ regulatory requirements, achieving **98.4% accuracy** through a production-ready pipeline.
- Developed an AI-based loan underwriting system to process 5TB+ of financial data across 1,000+ tables, reducing manual underwriting time from **100+ hours to 16 seconds** while achieving 90% accuracy and 84% precision.
- PyTorch, NLTK, Spacy, scikit-learn, SQL, XGBoost, Pandas, Numpy, FastAPI, Docker, Nginx, RestAPI

PROJECTS

Coronavirus Future Prediction (Time Series Forecast) [\[Link\]](#)

- Achieved **96.2 % accurate** prediction, using statsmodels, SARIMA, prophet and holt winters.
- Performed EDA using Plotly with **100+ visualizations** that tell a story.

EDUCATION

Master of Computer Applications (**MCA**) – IGNOU

(2021-2024)

Bachelor of Commerce (BCom) – Gujarat University

(2013-2016)

Certificates: Deep Learning Specialization (**Andrew Ng**)
SQL (**Stanford Online**)