

SUMMARY

Results-driven Data Scientist with expertise in data analysis, machine learning, deep learning, and automation.

Proficient in Python, SQL, and visualization tools like Tableau and Power BI, with a proven track record of building predictive models and AI-driven insights. Skilled at transforming complex data into actionable solutions to drive strategic decisions in dynamic environments.

EDUCATION

Data Science & AI Certification

INTTRVU.AI
2024

Post Graduate Diploma in Banking

ICICI Manipal Academy of Higher Education
2017

Graduation

Delhi University
2012-2015

PROJECTS

Financial Fraud Detection

- Predicting if a transaction is Fraud or not.
- Dataset consisted of 6 million transaction records having information such as Opening Balance, Closing Balance, Country, Type, Amount etc.
- Used XGBoost Model which would classify into 0 or 1 i.e. Financial Fraud or not.
- Created a Batch Job for predicting live data

Insurance Premium Prediction

- Predicting Health Insurance Premiums for data.
- Dataset consisted of 1 million records having information such as Age, Gender, BMI, Smoker, Region, Occupation, Medical History etc.
- Built a Regression Model using XGBoost along with feature importance for presentations.
- Created a Batch Job for predicting live data

Chatbot - Generative AI

- It answers questions related to financial & operational risk guidelines provided by RBI.
- Used RAG as it provides relevant information in the form of a prompt to LLM.
- Used Langchain as it provides tools & abstraction to improve customization, accuracy & relevancy.
- Created an API & a Front-End Chatbot that would be interactive. We can ask questions to it and it would be providing prompt responses

Power BI – Heart Disease Prediction

- A dashboard that offers valuable insights into the factors influencing heart disease.
- More than 3 lakhs record in the dataset.
- Created a .PBIX File for the same.

PROFESSIONAL EXPERIENCE

Manager

ICICI Bank | 2022 - 2024

- Conducted in-depth quantitative analysis of diverse data sources to inform strategic business decisions.
- Performed financial statement analysis to analyze patterns in tax data, such as identifying anomalies, detecting fraud, optimizing tax collections, and predicting future tax revenues.
- Implemented fraud detection analysis such as identifying suspicious transactions that deviate from normal patterns.

Deputy Manager

ICICI Bank | 2017 - 2022

- Conducted Preparation & Filing of various Forms related to Goods & Services Tax (GST).
- Handled Audit Queries which also included checking the RE-KYC form of the customer.
- Involved in the handling of IT Notices and IT Orders, customer queries, and filing of periodic returns of Tax Deducted at Source (TDS).

SKILLS

- **Programming Languages** - Python, SQL
- **Machine Learning Libraries** - Scikit-learn, XGBoost, Keras, Langchain, Sklearn, Shap, Lime, Gensim, NLTK
- **Deep Learning & AI Expertise** - CNN, LSTM, Word2Vec, Natural Language Processing (NLP), Traditional Neural Network
- **Generative AI** - Large Language Models (LLMs), Langchain, RAG, Sentiment Analysis, BERT
- **Data Visualization** - Tableau, Power BI, Matplotlib, Seaborn, Plotly
- **Other Tools** - AWS (EC2), GitHub, Flask, Docker
- **Domain Knowledge** - Goods & Service Tax (GST), Tax Deducted at Source, Re-KYC

CERTIFICATIONS

- **GST Certificate** - Certified in Goods & Service Tax from ICWA
- **Advanced GST Certificate** - Certified in Advanced Goods & Services Tax from ICWA