



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

Power BI – Financial Fraud Detection

- A dashboard that highlights key trends & identifies patterns that can assist in detecting payment patterns, amounts, and potential frauds.
- More than 3 lakh records are in the dataset.
- Created a .PBIX file containing data, queries, and visualizations for report or dashboard generation.

Power BI – Insurance Premium Prediction

- A dashboard that visualizes key trends & factors that influence the predicted insurance charge for individuals based on demographic & lifestyle data.
- More than 6 million records are in the dataset.
- Created a .PBIX File.

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

Heart Disease Prediction

- Predicting if individuals have Heart Disease or not.
- More than 3 lakh records are in the dataset.
- Used XGBoost Model which would classify into 0 or 1 i.e. with Heart Disease or not.
- Developed an API to predict outcomes based on a sample JSON input with individual parameters.

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, used MS Excel as well for the tasks.
- 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
- **Data Visualization** - Tableau, Power BI, Matplotlib, Seaborn, Plotly
- **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
- **Other Tools** - AWS (EC2), GitHub, Flask, Docker, MS Excel
- **Domain Knowledge** - Banking & Finance, 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