

TECHNICAL STACK

- **DS/ML/AI** – Python, Statistics, Machine Learning, Deep Learning, NLP, DS lifecycle, Generative AI, AWS.
- **ML Framework/modules** – Sklearn, Numpy, Tensorflow, Pandas etc.
- **Programming and DB Languages** – Python, MySql, Vector Databases.
- **Data Visualization** - Matplotlib, Seaborn.
- **LLM Tools and Frameworks** – Langchain, OpenAI API’s, Open Source LLMs, Agentic AI.
- **Soft Skills** – Communication, Teamwork, Negotiation Skills, Adaptability, Leadership.

Projects

Customer Churn Prediction – Personal Project

March 2024

- Goal- To predict that a particular person will pay loan or not.
- The dataset includes several predictors (student, balance, income) and one target variable Defaulter.
- In this we used many algorithms such as (logistic regression, decision tree and so on) From which logistic regression gave us best result as its accuracy was high in comparison to other algorithms.

Health care– Personal Project

April 2024

- Objective: To predict whether a patient has diabetes based on certain medical predictor variables.
- Approach: The dataset includes several predictors (pregnancies such as BMI, insulin level, age and so on) and one target variable.
- Models - Logistic Regression, Random Forest. Used accuracy score to check the performance of the model.

FLIGHT FARE PREDICTION – Personal Project

Key Achievements:

- Effectively managed a complex project featuring categorical independent features.
- Utilized advanced data preprocessing techniques, including Label Encoder and One-Hot Encoding, to transform categorical data into numerical values.
- Demonstrated strong proficiency in manual data conversion, showcasing the ability to handle these tasks independently without the reliance on external libraries.

EDUCATION

Oriental Institute of Science & Technology(Bhopal)

Sept 2024 – Present

Master of Computer Applications (MCA)

CGPA – 8.1

LNCT University(Bhopal)

Sept 2021 – June 2024

Bachelor of Computer Applications (BCA)

Specialization in AI/Data Analytics, CGPA: 8.34

EXPERIENCE

ART - Abstinent Research & Technologies – Python Developer Intern

Jan 2024 – July 2024

Developed An End-to-End LLM Application For Chatting With MySQL Using An LLM -

- Configured MySQL database connection.
- Utilized an open ai model to convert natural language to SQL queries.
- Connected to MySQL using Mysql-connector-python, Enabled selection of multiple tables for fetching results.
- Generated SQL queries and retrieved results.

Tata Consultancy Services (TCS)

Developer - Generative AI and Python Developer

August 2024 – Present

- Built Agentic AI applications integrating LLMs, APIs, tools, and databases using LangChain and Crew AI.
- Automated complex business workflows using Python, Gen AI, and vector databases to enhance execution intelligence.
- Delivered scalable, production-ready AI applications solving real-time business use cases in enterprise systems.
- Collaborated with cross-functional teams to design AI architectures aligned with business objectives.

LICENSES & CERTIFICATIONS

- Data Analytics and Visualization Virtual Experience – Accenture
- British Airways Data Science - British Airways
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Statistical Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Foundation to AI Data Science& Data Analysis)