**Shape, rectangle

Description automatically generated**



**Mohit Deshmukh**

**Experience Summary**

* 6.8 years of total IT experience
* Skilled in leveraging data to drive business solutions and improve decision-making processes.
* Proficient in working with large datasets, developing predictive models, and communicating insights to stakeholders.
* Proficient in performing exploratory data analysis (EDA), and creating interactive visualizations to communicate findings effectively to stakeholders
* Strong background in programming, data manipulation, and machine learning algorithms
* Ready to learn new Skills/Technologies

 **Skills Summary**

|  |  |
| --- | --- |
| **Domain** | Life Science, Media & Entertainment |
| **Programming Languages** | Python, JS |
| **Machine Learning** | Scikit-learn |
| **Data Analysis Tools** | Pandas, NumPy, SQL |
| **Data Visualization** | Matplotlib, Seaborn |
| **Big Data Technologies** | Spark, Pyspark |
| **GenAI** | LangChain |
| **Cloud** | Azure |

**Professional Certifications/ Trainings**

1. Deep learning Specialization (Coursera)

**Work Experience**

**Personal Projects:**

**1.Fraud Detection in Financial Transactions:**

**Objective**: Develop a machine learning model to detect fraudulent transactions in real-time and minimize financial losses.

**Tools & Technologies**: Python, Pandas, Scikit-learn

**Github**- <https://github.com/15MD/Fraud-Detection/blob/main/first.ipynb>

2. **Temperature forecast using ARIMA**

**Objective**: Develop a time series model to forecast future temperatures based on historical data using the ARIMA model.

**Tools & Technologies**: Python, Pandas, NumPy, Statsmodels, Matplotlib, Seaborn

**Github**-[https://github.com/15MD/Time-Series](https://github.com/15MD/Time-Series%20)

3.**PDF Data Reading and Question Answering Using LangChain**

**Objective**: Develop a system that can read data from PDF documents and answer user queries based on the extracted information using LangChain.

**Tools & Technologies**: Python, LangChain, Lama2

**Github**-<https://github.com/15MD/LangChain/blob/main/RAG/simpleRAG.ipynb>

4.**House Price Prediction Using Machine Learning**

**Objective**: Develop a machine learning model to predict house prices based on various features such as location, size, and amenities.

**Tools & Technologies**: Python, Pandas, NumPy, Scikit-learn, Ridge & Linear Regression, Matplotlib, Seaborn

**Github**-<https://github.com/15MD/House_price_prediction/blob/master/House_Updated.ipynb>

5. **Titanic Survival Prediction Using Machine Learning**

**Objective**: Develop a machine learning model to predict the survival of passengers on the Titanic based on various features such as age, gender, and class.

**Tools & Technologies**: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook, classification algorithms

**Github**-<https://github.com/15MD/Titanic/blob/master/titani.ipynb>

6.**Credit card fraud detection**

**Objective**: Develop a machine learning model to predict the defaulters from credit card kaggle dataset.

**Tools & Technologies**: Python, Pandas, NumPy, Scikit-learn,Matplotlib, Seaborn, classification algorithms like logistic regression, decision trees etc

**Educational Qualification**



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| --- | --- |
|  | |
| **Education & Credentials** | BE (Computer Engineering)  CDAC- Mobile Computing |



