Musarrat Shaikh

Data Analyst

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Mumbai, Maharashtra

CAREER OBJECTIVE

Enthusiastic and results-driven Data Analyst with a strong foundation in MySQL, Python, Statistics, Machine Learning, and Power BI. Proven ability to leverage analytical skills and domain knowledge to derive valuable insights from complex data sets. Adept at developing and implementing machine learning models to solve real-world problems. Seeking a challenging position in the field of data science to apply my technical skills, contribute to innovative projects, and continuously grow in a dynamic and collaborative environment.

TECHNICAL SKILLS

- MySQL, Python, Pyspark
- EDA, Statistics, Machine Learning
- Power BI, Tableau, Advanced Excel

WORK EXPERIENCE

Deputy Manager (Trade Finance Services)

HDFC Bank Ltd 2018 - 2020

Executive (Trade Finance Services)

Axis Bank Ltd 2011 - 2018

CERTIFICATION AND TRAININGS

- Data Science Bootcamp - OdinSchool 6 Months
- Certificate of completion of Data Science Virtual Internship - LetsGrowMore 1 Month
- Certificate of completion of Data Science Virtual Internship - TechnoHacksEduTech 1 Month
- Certificate of completion of Data Analyst Virtual Internship and LOR- MeriSkill 1.5 Month

ACADEMICS

Bachelor of Commerce Ramanad Arya DAV College of Commerce, Maharashtra 2009 - 2010

PROJECTS

Credit Card Approval Analysis

Project Title: Credit Card Approval Analysis
Aim: Develop a predictive model for credit card approval
Brief Description: Conducted in-depth analysis and developed a predictive model for credit card approval,

leveraging machine learning techniques. Examined financial data and utilized algorithms to assess creditworthiness.
Conclusion: The model demonstrated robust performance in assessing credit card applications.
Project Link: Credit Card Approval Project

Covid19 Impact Analysis

Project Title: Covid19 Impact Analysis
Aim: Predict the impact of COVID-19 based on symptoms and demographic factors
Brief Description: Employed data-driven approaches to predict the impact of COVID-19 based on symptoms and demographic factors. Contributed to public health insights through statistical analysis and machine learning modeling.
Conclusion: The model provided valuable insights into predicting the potential impact of the virus.
Project Link: Covid19 Impact Analysis Project

Real Estate Price Estimation

Project Title: Real Estate Price Estimation
Aim: Develop a model for estimating property prices
Brief Description: Utilized machine learning algorithms to analyze housing market trends and factors influencing property values for accurate predictions.
Conclusion: The model demonstrated accurate predictions of property prices.
Project Link: Real Estate Price Estimation Project

Email Classification for Spam Detection

Project Title: Email Classification for Spam Detection
Aim: Implement advanced algorithms for accurate spam detection
Brief Description: Implemented machine learning algorithms to enhance email communication security by accurately identifying and filtering out spam emails.
Conclusion: The model significantly improved the accuracy of spam detection.
Project Link: Spam Detection Project

Employee Attrition Prediction

Project Title: Employee Attrition Prediction
Aim: Utilize historical employee data to forecast potential attrition
Brief Description: Developed models to identify patterns and factors contributing to employee turnover, facilitating proactive HR measures.
Conclusion: The model provided valuable insights into employee attrition.
Project Link: Employee Attrition Prediction Project

Handwritten Digit Recognition System

Project Title: Handwritten Digit Recognition System
Aim: Build a Convolutional Neural Network (CNN) for recognizing and classifying handwritten digits
Brief Description: Engineered a CNN for recognizing and classifying handwritten digits, applying computer vision techniques to enhance accuracy and efficiency.
Conclusion: The model achieved high accuracy in digit recognition.
Project Link: Handwritten Digit Recognition Project

Image Processing with Python

Project Title: Image Processing with Python
Aim: Implement image processing techniques to transform images into sketches
Brief Description: Implemented image processing techniques in Python to transform regular images into

visually appealing sketches. Explored grayscale conversion and artistic rendering for creative visualization.
Conclusion: The project demonstrated effective image enhancement and creative rendering.
Project Link: Image Processing with Python Project

Species Classification using Decision Trees

Project Title: Species Classification using Decision Trees
Aim: Apply supervised machine learning for species prediction based on botanical features
Brief Description: Introduced to supervised machine learning principles through the classification of Iris flowers. Applied decision tree algorithms for species prediction based on botanical features.
Conclusion: The model achieved accurate species classification.
Project Link: Species Classification Project

Stock Market Forecasting with LSTM

Project Title: Stock Market Forecasting with LSTM
Aim: Develop a predictive model using stacked
Brief Description: Developed a predictive model using stacked LSTM neural networks for stock market forecasting. Analyzed trends and fluctuations to provide valuable insights for investment decisions.
Conclusion: The model demonstrated effectiveness in forecasting stock market trends.
Project Link: Stock Market Forecasting with LSTM

Data Management and Analysis with SQL

- **Database Management Tasks:** Executed tasks on Maven-Movies and IG-Clone databases, showcasing proficiency in data management and SQL queries. Implemented database tasks with precision, ensuring efficient data handling and retrieval.
  Project Link: Maven movie Project - SQL
  Project Link: IG-clone - SQL

- **Comprehensive Data Analysis:** Conducted a thorough analysis of the Classic Models dataset using SQL queries. Employed advanced SQL techniques for data manipulation and aggregation, extracting valuable insights that informed strategic decision-making.
  Project Link: Capstone Project - Sales Performance Analysis - SQL

Power BI Data Visualization Projects

- **Pizza Sales Analytics:** Utilized Power BI to analyze and visualize sales data, providing key insights into pizza sales trends. Applied data modeling techniques and implemented DAX functions to create interactive dashboards, enhancing data exploration and interpretation.

- **Sales Data BI Solution:** Designed and implemented a comprehensive BI solution for sales data analysis using Power BI and SQL. Developed interactive dashboards that empowered stakeholders with actionable insights, facilitating informed and data-driven decision-making.
  Project Link: Capstone Project - Sales Performance Analysis - Power BI

INTERESTS

- **Data Science Trends:** Keeping abreast of the latest trends and developments in the dynamic field of Data Science.

- **Sketching for Visualization:** Expressing creativity through sketching, fostering a unique perspective for visualizing complex ideas.