Data Scientist/Data Analyst

FAHAD ABBAS

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Education

BACHELOR IN COMPUTER SCIENCE – AIR University – Islamabad   2022 to 2026(Expected)
Currently Enrolled: 3th Semester CGPA 2.96

Skills

Python
Libraries: pandas, matplotlib, numpy ,sklearn, opencv

Power Bi
Tools: DAX, API, Power Query

SQL
Software: Oracle, MySQL

Web Scraping & Automation
Libraries: Requests, BeautifulSoap, Selenium

Services:
EDA
Statistical Analysis
Data Visualization
Machine Learning Models
Data Scraping

Projects

FACE DETECTION MACHINE LEARNING CLASSIFICATION PROJECT   September 2023
● Developed a Python script with Selenium for automatic image retrieval from Google, focusing on specified celebrities.
● Utilized Jupyter Notebook, employing libraries like Matplotlib, Pandas, NumPy, and OpenCV for image processing, incorporating wavelet transform and XML cascade files for precise face and eye detection.
● Trained a machine learning model using Scikit-learn, ensuring robust identification capabilities.
● Created a pickle file for model storage and seamless usage in generating accurate celebrity identifications from input images.
  Goal : To create a reliable system capable of accurately identifying individuals from photographs, providing their names as output, leveraging image processing techniques and machine learning algorithms.

BANGALORE PROPERTY PRICE PREDICTION MACHINE LEARNING REGRESSION PROJECT   November 2023
● Utilized a Kaggle dataset for Banglore property prices and performed data cleaning and preprocessing using Python Pandas.
● Visualized property fluctuations based on location using Matplotlib.
● Trained a machine learning model using the Scikit-learn library to predict property.
● Generated a pickle file to save the trained model for future use.
  Goal: To develop a predictive model that takes into account the location, number of bedrooms, and number of bathrooms of a property to accurately forecast its price.

SALES INSIGHT PROJECT   December 2023
● Performed data modeling using Power Query Editor to prepare the dataset for visualization.
● Created an interactive Power BI dashboard to provide insights into the company's sales performance across various locations and time periods, including monthly and yearly trends.
● Implemented visualizations to analyze factors contributing to declining sales year by year across different regions.
  Goal: To provide computer hardware company with actionable insights into the reasons behind the annual decline in sales across different regions, facilitating informed decision-making to address the issue effectively.

FINANCE PROJECT   Feb 2024
● Utilized a personal dataset containing expense and income records across different time periods and years.
● Developed a Power BI dashboard to visualize the rate of change of expenses and income over time.
● Implemented red zones within the graphs to highlight areas where spending exceeds predefined thresholds, serving as alerts to curb expenditure.
  Goal: To provide a comprehensive view of changing trends in expenses and income across different years, with the added functionality of alerts to prompt responsible financial behavior.

HR ANALYTICS   April 2024
● ATLIQ company dataset for HR analytics within Power BI.
● Conducted data modeling using Power Query Editor to structure and prepare the dataset for analysis.
● Designed a comprehensive Power BI dashboard providing insights into the details of employees across different departments
Goal: To investigate and understand the factors contributing to the decrease in the number of employees within different departments, enabling informed decision-making to address any underlying issues.