Mohammadamin Farshidi

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PROFILE

Data Analyst with more than 2 years of experience leveraging analytics, programming, and problem-solving skills to extract actionable insights and support data-driven decision-making. Proficient in Python, R, SQL, data visualization, and business intelligence tools. Seeking opportunities to apply my analytical mindset and technical expertise to tackle new challenges in the dynamic field of data science.

WORK EXPERIENCE

Data Analyst | Farassan, Iran | May 2020 - Aug 2022

- Collaborated with cross-functional teams to automate data collection and integrate data sources using SQL, resulting in up to a 30% increase in efficiency and a 25% reduction in turnaround time for data processing and analysis.

- Utilised advanced Excel and Power BI skills to design and develop visually captivating reports and interactive dashboards, enabling enhanced insights into sales trends, streamlined inventory management, and a deeper comprehension of customer behaviour.

- Analysed large datasets to identify patterns and trends that could be used to improve business processes and decision-making.

- Proficiently used Python libraries, such as Matplotlib and Seaborn for data visualisation to communicate insights effectively to non-technical stakeholders.

Mechanical Sales Engineer | Farassan, Iran | April 2019 – May 2020

- Collaborated with the data analytics team to streamline client requirement processes for mechanically engineered products. Utilized data insights to enhance solution accuracy, leading to a 25% rise in customer satisfaction

- As part of a team, contributed to developing a data-driven market analysis approach that supported a 10% growth in the service segment within a year.

- Led on-site evaluations of engineered products, leveraging data to identify and capture 20% more aftermarket sales opportunities.

Projects

- **Human Resources Data Analysis Project [GitHub]:**

  - Analyzed workforce demographics and employment trends using SQL Server Management Studio for data cleaning and manipulation, and Power BI for interactive visual reporting. Employed SQL Server Management Studio (SSMS) for writing and executing SQL queries to clean, manipulate, and analyze the data effectively.

  - Technologies Used: SQL (via SSMS), Power BI.

- **Collaboration Matrix Project [GitHub]:**

  - Analytical exploration of a scientific collaboration network to unveil its structure, resilience, and dynamic behaviors.

  - Technologies Used: Python, NetworkX, Matplotlib, NumPy.

- **Birmingham House Prices Prediction Project [[GitHub](#)]**:

  - Developed machine learning models to predict house prices in Birmingham over a 25-year period, including extensive data preprocessing, exploratory data analysis, linear regression modeling, and neural network implementation.Technologies Used: Python, Pandas, Matplotlib, Sklearn, PyTorch.

- **Music Genre Classification Using CNNs [[GitHub](#)]**:

  - Developed a deep learning model for music genre classification to recognize various music genres from audio samples.

  - Technologies Used: Python, TensorFlow, Librosa, FFmpeg, Spotipy, Spotify API, Matplotlib, Seaborn, Scikit-learn.

EDUCATION & QUALIFICATIONS

Aston University – MSc Data Analytics   Sep 2022 - Sep 2023

Relevant modules: Data Science Programming, Statistical Machine Learning, Artificial Neural Networks, Probabilistic Modelling, Network Science.

Azad University, Iran – BSc Mechanical Engineering   Sep 2014 - Apr 2019

Key Skills

- Data analysis and visualisation
- Critical thinking and problem solving
- Cross-functional collaboration
- Communication and presentation
- Adaptability
- Analytics mindset
- Language: Advanced English, native Persian

Technical Skills

Data Analytics Skills

  - Python (Pandas, NumPy, Scikit-learn, TensorFlow) / R / SQL / POWER BI / Excel and VBA

Tools & Software

  - MySQL, PostgreSQL / BigQuery / SSMS / MS Office / Microsoft SQL Server

Further Training

- Data Analyst in SQL Certificate, Datacamp [[LINK](#)] [2023]
  - Skills:Joining Data in SQL, Data Manipulation in SQL, Functions for Manipulating Data in PostgreSQL, Exploratory Data Analysis in SQL, Data-Driven Decision Making in SQL.