Abdul Rahim Mirani

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Professional Experience

RXO, Inc.   **Charlotte, NC**
Data Analyst – Sales Analysis   August 2023 - Present

- Eliminated manual file extraction by developing an **automated data pipeline** by writing **Python scripts** to extract and preprocess raw bot run data from SharePoint files, transforming raw data into clean, structured data sets, reducing data processing time by **95%**
- Collaborate with teams of RPA professionals, data scientists, and data engineers to develop and deploy **data science models** that identified various sales and business opportunities, improving pricing and increasing customer acquisition rate by **25%**
- Executed complex **ETL** processes by extracting data from multiple data warehouses using advanced **SQL** queries, cleansing data with **Power Query**, and visualizing insights with **Power BI**, improving data accuracy by 50% and accelerated decision-making processes by 30%
- Expanded the limited capabilities of data models by utilizing **MDX** queries and **DAX** functions to extract and rearchitect data models from **multidimensional data cubes**, improving and adding additional functionality to data analysis
- Evaluate the output of the company's **pricing algorithm** and contribute to the development and implementation of both short- and long-term pricing strategies, leading to more competitive pricing

Peterbilt Motors Company | PACCAR   **Denton, TX**
Data Analyst Intern   May 2022 – August 2022

- Conducted **survival analysis** by making **Weibull models** on two truck parts in **Python** using **Pandas, NumPy,** and **Matplotlib** libraries, improving the identification of part failure rates by **15%**
- Analyzed Weibull models to predict and identify early part failures, reducing manufacturing downtime by **10%**
- Worked closely with part engineers and manufacturing teams to investigate potential causes of part failures, leveraging data insights to improve parts reliability and performance
- Extracted data from **Snowflake** from a pool of **100M** rows using **SQL** queries, making clean data accessible for multiple departments
- Designed and deployed real-time, interactive dashboards in **Tableau** visualizing vehicle warranty data, improving actionable insights by **40%**

Oilganic   **Karachi, Pakistan**
Data Analyst   June 2021 – May 2022

- Analyzed 12 years of market data using **Power BI** and **Excel**, uncovering a **$1M+** opportunity in the cold-pressed and organic oil market
- Redesigned the company's database by applying data **normalization** and **denormalization** techniques, saving **30%** in data storage and extraction costs
- Utilized **statistical** and **machine learning models** to forecast a **25%** increase in profits over the next 2 years
- Created dynamic **Power BI** dashboards and heatmaps from complex datasets, influencing upper management to make strategic and data driven decisions

Education

University of The Cumberlands
Master of Science in Data Science**, GPA: 4.0/4**   Expected Graduation Date: April 2025

University of South Florida
Bachelor of Science in Business Analytics and Information Systems, **GPA: 3.89/4**   May 2023

Skills

Programming/Software: Python | SQL | C# | R | HTML/CSS | JavaScript | Git | VBA | M | DAX | MDX | Tableau | Power BI | Excel | AWS | APIs

DS/ML Frameworks: Pandas | NumPy **|** Stats Models **|** Matplotlib **|** Seaborn | TensorFlow | PySpark | PyTorch | Keras | Sklearn | LangChain

Competencies: Data Analytics | Data Analysis | Linear Regression **|** Logistic Regression **|** Decision Trees **|** Random Forests | Big Data | NLP | Business Intelligence | Artificial Intelligence | A/B testing | Data Analysis | ETL | Relational Databases | Data Modeling | LLMs

Projects

AI-Powered News Recommender

- Developed an **AI-powered** personalized news recommendation system using a dataset of 100,000 articles from Kaggle and real-time updates from the Google News API
- Experimented with multiple machine learning models, including **Logistic Regression**, **Random Forest**, and **Support Vector Machines (SVM)**, for classification tasks, and found Random Forest to perform best with an accuracy of 85%
- Used **OpenAI's GPT** for summarizing articles and extracting key topics, and **NLP** techniques to create a hybrid recommendation engine

Lip Reading Model

- Developed a deep learning model for predicting spoken words from video frames of lip movements, utilizing advanced neural network architectures and Python libraries such as **TensorFlow** and **Keras**
- Processed and augmented the **GRID** dataset, extracting and aligning video frames with text transcriptions to improve model accuracy
- Integrated **Convolutional Neural Networks (CNNs)** for spatial feature extraction with **Recurrent Neural Networks (RNNs)** and **Long Short-Term Memory (LSTM)** units for temporal sequence prediction, and deployed the model for real-time lip-reading