

Sajal Agnihotri

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EXPERIENCE

Business Analyst

Sept. 2024 – Present

MX Holdings US, Inc

Irvine, CA

- Developed a Power BI Pivot Report that made data more accessible and easier for end users to interpret and analyze
- Constructed an Open Work Order Aging Report in Power BI, incorporating filters and visualizations to streamline data analysis and improve usability for end users
- Managed and queried data in SQL Server by adding and removing employees from the database, ensuring accurate records within the organization's database and aiding the company in managing new and exiting employees

EDUCATION

Masters in Information Technology Management

Fullerton, CA

California State University, Fullerton

August 2022 – May 2024

Boot Camp Certificate

Irvine, CA

University of California, Irvine

March 2022 – September 2022

Bachelor of Science in TFM (Television, Film, and New Media)

San Diego, CA

San Diego State University

August 2019 – Dec. 2021

PROJECTS

Text Mining | *Python*

June 2024 – July 2024

- Developed a predictive model using Python, which relies on textual and numerical data, leading to being able to predict a company's stock price by the end of the next trading day
- Performed sentiment analysis on a large collection of tweets using Python, then combined the results of the sentiment analysis activities with a set of numerical data relating to the company's stock price
- Trained one or more machine learning models, using a combined dataset to predict a company's stock price at the end of the next trading day

Sales Dashboard | *Power BI, Python*

June 2025 – July 2025

- Created an interactive sales dashboard in Power BI to visualize data across multiple beverage brands, enabling end users to quickly identify trends, compare brand performance, and make informed, data-driven decisions
- Utilized Python and the Matplotlib library to generate a month-over-month swarm plot comparing revenue by brand, enabling end users to visually assess and compare each brand's performance across different months
- Implemented dynamic slicers in Power BI to analyze sales by region, month, and state, enabling more precise and granular assessment of brand performance across different geographic and time-based dimensions

Taxi Booking | *SQL Server*

August 2024 – September 2024

- Designed and constructed a database that stored the information of various customers, vehicles, and drivers, along with booking and schedule information, which lead to the efficient retrieval and storage of data
- Designed and wrote queries and logic to dynamically adjust and give customers recommendations about vehicles and drivers or let them know if all vehicles are booked, allowing the application to dynamically respond to customer requests and provide them with the latest and most up to date information on vehicle and driver availability
- Created and maintained stored procedures, which lead to more efficient reuse of SQL queries

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), MySQL, JavaScript, HTML/CSS, C#, C++, MongoDB, WordPress

Frameworks: React, Node.js, Bootstrap

Developer Tools: Tableau, Power BI, Git, Google Cloud Platform, VS Code, Visual Studio

Libraries: jQuery