Data Analyst / Business Analyst

YAHAI ALGHANAM

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Profile

Detail-oriented Data Analyst with expertise in **data cleaning**, **visualization**, and **advanced SQL operations**. Proficient in leveraging data to drive **business insights** and optimize decision-making processes. Experienced in executing comprehensive data projects, including data exploration and sales data analysis. Adept at using **analytical tools** and techniques to uncover trends and provide actionable recommendations.

Skills

- **SQL** (SQL Server, MySQL)
- **Python** (Pandas, NumPy, SciPy, MatPlotLib)
- Microsoft **Power BI**
- **Excel** (VLOOKUP, Conditional Formatting, Pivot Tables)
- Exceptional analytical and **problem-solving** skills.

- Meticulous **attention to detail** and **Curiosity** in data validation to ensure accuracy and reliability.
- Strong **decision-making and analytical thinking** abilities based on data-driven insights.
- Effective **presentation skills** to convey complex information in reports and presentation

Professional training

Data Analysis Training – **ITI** (Information Technology Institute)   May 2024 - June 2024

- Practical experience with **data collection**, **cleaning**, **analysis**, and **visualization** using **Python**, **SQL**, and **Power BI**.
- Acquired expertise in deriving insights from complex datasets and hands-on experience with **Business Intelligence**.
- Effectively **communicated** findings to stakeholders.
- Applied **problem-solving** abilities to real-world data challenges.

Artificial Intelligence Training – **ITI** (Information Technology Institute)   Jan 2023 - Feb 2023

- Practical experience with data and **machine learning algorithms** using **Python**, **Pandas**, and **Matplotlib**.
- Proficient in applying AI and machine learning algorithms such as **regression**, **classification**, and **clustering**.
- Developed proficiency in **model evaluation**, **feature engineering**, and **optimization techniques**.

Projects

Restaurant Sales Analyses Dashboard – Personal Project   June 2024

- Created an interactive **dashboard** to analyze restaurant sales data **using SQL** and data visualization tools.
- Conducted **data cleaning** and **transformation** to ensure **data accuracy** and reliability.
- Developed visualizations to track **key performance indicators**, **sales trends**, and **customer behavior**, enhancing strategic decision-making.

Covid-19 Data Exploration Project Using SQL – Personal Project   May 2024

- Developed a comprehensive **data exploration** project analyzing COVID-19 data using SQL.
- Performed **data cleaning**, **aggregation**, and advanced querying to uncover insights on infection rates, recoveries, and fatalities.
- Generated **visualizations** to support findings and enhance data-driven decision-making.

Houses Data Cleaning Project Using SQL – Personal Project   May 2024

- Executed a detailed **data cleaning** project focusing on housing datasets **using SQL.**
- Applied various data cleaning techniques to handle **missing values**, **duplicates**, and **inconsistencies**.
- Improved **data quality** and **reliability**, facilitating **accurate analysis and reporting**.

SQL Operations on Layoffs Date – Personal Project   April 2024

- Conducted in-depth analysis of layoffs data utilizing **SQL** to identify trends and patterns.
- Executed complex SQL operations, including **joins**, **subqueries**, and **aggregations**, to derive meaningful insights.
- Enhanced the understanding of layoff factors, aiding in strategic decision-making.

Accessories Shop Sales Data Analysis Project – Personal Project   April 2024

- Analyzed sales data for an accessories shop **using SQL** to uncover sales trends and customer behavior.
- Conducted **data cleaning**, **transformation**, and complex queries to generate actionable insights.
- Improved business decision-making by providing detailed sales performance reports.

Bike Sales Dashboard Project – Personal Project   Mar 2024

- Developed an interactive dashboard to analyze bike sales data **using SQL** and **visualization** tools.
- **Cleaned** and **transformed** the data **to ensure accuracy** and relevance, then created visualizations to highlight key sales metrics and trends.
- Enhanced data-driven decision-making by providing real-time insights into sales performance.

Email Spam Detection and Sentiment Analysis– Personal Project   Mar 2024

- Developed **a machine learning model** to detect spam emails and perform **sentiment analysis**.
- Utilized **natural language processing (NLP)** techniques to preprocess and analyze email content, achieving high accuracy in **classification**.
- Enhanced **email filtering** systems and provided sentiment insights for better communication strategies.

Information Retrieval Project – Personal Project   Dec 2023

- Developed an information retrieval system to **crawl and extract** job data from the WUZZUF site.
- Implemented **web scraping** techniques and **SQL** for data storage, enabling efficient data collection and retrieval.
- Enhanced job data analysis capabilities by providing structured and searchable job information.

Certifications

DATA ANALYSIS CERTIFICATE – CREATIVA   June 2024

- Instructor: Aya Mohsen, Team Lead at Etisalat Egypt

DATA ANALYSIS PROFESSIONAL CERTIFICATE – 9 Courses – Coursera   April 2024

- Excel Basics for Data Analytics
- Data Visualization and Dashboards with Excel and Cognos
- Python for Data Science AI & Development
- Python Project for Data Science
- Databases and SQL for Data Science with Python
- Data Analysis with Python
- Data Visualization with Python
- IBM Data Analyst Capstone Project

ARTIFICIAL INTELLIGENCE CERTIFICATE – ITI   Feb 2023

- Instructor: Walid Ead, Professor in Artificial Intelligence at Egypt-Japan University
  - Machine Learning using SAS Viya 3.5
  - SAS Programming Essential
  - Introduction to INNOVA Regression and Logistic Regression

Education

BACHELOR OF COMPUTER SCIENCE – Minia University   June 2024

- Department of Information Systems Technology