MARY MAGDALENE ACHERO

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SUMMARY

- Aspiring data analyst with a strong foundation in data analysis, and programming, gained through academic projects and self-driven initiatives.
- Seeking an internship or entry-level opportunity to apply my analytical skills in a real-world setting.

EDUCATION

Makerere University-Kampala, Uganda	**March 2021 –January 2025**
Bsc. Mechanical Engineering	
St.Joseph's Girls SSS Nsambya-Kampala, Uganda	**March 2018 –November 2019**
Uganda Advanced Certificate of Education	

PROJECTS

COVID-19 Exploratory Data Analysis   **July 2024**
Personal Project
Objective: Analyzed COVID-19 data to identify trends in infection rates, recovery, and mortality across different regions.
Tools Used: SQL, Excel
View Project:
https://github.com/marymagdaleneachero/Dalene-sPortfolioProjects/blob/main/SQLQuery8.sql
Key Actions:

- Cleaned and preprocessed a large dataset of COVID-19 cases using SQL queries to filter, aggregate, and join tables.
- Used SQL functions (e.g. GROUP BY, JOIN, PARTITION BY) to categorize data and perform trend analysis.
- Used SQL queries to calculate total cases,explore correlations between variables such as age, location, and population.
- Developed visual representations of the findings using Tableau.

Nashville Housing data for data cleaning   **May 2024**
Practice project
Objective: Cleaned Nashville Housing data to make it more usable
Tools Used:SQL
View Project:
https://github.com/marymagdaleneachero/Dalene-sPortfolioProjects/blob/main/SQLQuery12.sql

Key Actions:

- Imported the Nashville Housing dataset into SQL and conducted an initial assessment to identify data quality issues such as missing values, duplicates, and inconsistent formatting.
- Used SQL techniques (`IS NULL`) to identify and handle missing data by filling in default values, using forward or backward fill methods
- Applied SQL commands (`DISTINCT`, `ROW_NUMBER`) to identify and remove duplicate records based on property IDs and other unique identifiers to ensure data integrity.
- Converted columns to appropriate data types (e.g., date, numeric) using SQL (`CAST`, `CONVERT`) to ensure consistency and facilitate accurate analysis..

SKILLS

› Data Analysis Tools(SQL, Excel)	› Database management(mysql)	› Team work
› Data Visualization	› Coomunication	› Proactive mindset
		› Attention to detail

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