Gina D'Souza — Data analyst

 github.com/GinaDsouza Portfolio linkedin.com/in/GinaDsouza

Summary

Passionate entry-level data analyst with a strong foundation in physics, chemistry, and mathematics. Well-versed in applying a systematic and adaptable approach for data cleaning, analysis, and presentation. Proficient in Excel, SQL, R, and Tableau. Eager to leverage broad scientific expertise to unearth valuable insights. Committed to continuous learning and aspiring to evolve into a seasoned data scientist.

Skills

- **Excel** (Conditional formatting, Pivot table, VLOOKUP)
- **SQL** (Microsoft SQL Server Management Studio, Google BigQuery Sandbox)
- **R Programming** (tidyverse, dplyr, ggplot2, Kaggle)
- **Tableau**
- **Git**

Projects

Space missions dashboard | *Excel*
(https://github.com/GinaDsouza/Excel/tree/main/SpaceMissionsProject)
- Cleaned and analyzed 632.98 kB of space missions data in Excel.
- Analyzed key metrics: mission count, success rates, spending, and active rockets.
- Applied space-themed design for enhanced visual impact.

Data cleaning, transformation and visualization of world happiness data | *SQL, Tableau*
(https://github.com/GinaDsouza/Happiness_SQL_queries)
- Cleaned and transformed a dataset of 80.86 kB, ensuring data accuracy and integrity.
- Identified the top and bottom 10 countries, including India, using SQL.
- Employed CTEs to effectively eliminate non-Indian and non-top/bottom group countries' data.
- Utilized 'CASE WHEN' logic to create a new column categorizing countries.
- Combined tables with 'UNION ALL' for a structured dataset suitable for visualizations.
- Created impactful data visualizations using Tableau with calculated fields.

Cyclistic Member Conversion Analysis | *R Programming*
(https://www.kaggle.com/code/ginadsouza/google-capstone-project-cyclistic/notebook)
- Checked and ensured compatibility of 12 datasets.
- Combined datasets, resulting in a comprehensive 1.19 GB dataset.
- Conducted thorough data cleaning, employing tidyverse in R.
- Conducted in-depth analysis of user data using functions like 'aggregate' and 'mutate' using R programming language.
- Utilized 'ggplot2' for creating impactful data visualizations.
- Proposed effective strategies for converting casual riders to annual members based on the analyzed data.

Certification

Google Data Analytics Certificate Course   2022
7/8 certificates earned

Work Experience

Trivium Education Services (P) Limited | *SQ&A expert for Chegg*   April 2023 – Present
- Applied analytical and problem-solving skills to consistently deliver high-quality answers on Chegg.
- Received multiple 5-star ratings for translating complex physics concepts into clear, accessible explanations, demonstrating effective communication and the ability to convey technical information to a diverse audience.

MCNS SRI Program | *Intern*   June – July 2021
- Developed effective presentation skills through the delivery of technical content during the MCNS summer internship.
- Developed concise visual communication skills through poster presentations.

Education

Manipal Institute of Technology 2021

Master of Science in Physics *CGPA: 8.79*

Key Achievements:

- Demonstrated effective communication skills with an A grade for seminar presentations in the first year and regular presentations throughout the program, showcasing proficiency in data visualization.

St. Aloysius College (Autonomous) 2018

Bachelor of Science in Physics, Chemistry & Mathematics *CGPA: 8.19*

Key Achievements:

- Consistently achieved distinctions in coursework and examinations, showcasing strong analytical and problem-solving skills.

- Delivered impactful presentations, demonstrating effective communication and data presentation abilities.

- Co-Head of Chaos, a featured event in the national-level college fest Imprints: Managed a team, showcasing leadership in team management and successful event execution.