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**Data Analyst**

Jan2021 - Jul 2022

Chemol Technologies –Hyderabad, India

- Proficient in conducting data analysis and profiling using complex SQL on various source systems, including MS SQL Server.
- Automated data cleaning and normalization processes using Python Pandas libraries; reduced data preparation time by 70% and increased data accuracy by 20%.
- Developed optimized SQL queries, resulting in a 25% improvement in data retrieval efficiency and reducing the processing time of consumer data.
- Successfully collaborated with Seaborn to uncover complex patterns and relationships in data, leading to an 80% increase in identifying valuable and communicate actionable insights and improving decision-making.
- Leveraged Matplotlib to create impactful data visualizations, such as scatter plots, bar charts, and line charts, enhancing data comprehension and facilitating data-driven strategies in a collaborative way.
- Conducted extensive data profiling, cleansing, and mapping, ensuring 100% improvement in data quality and accuracy for analysis.
- Implemented data modeling and enrichment techniques resulting in an increase in the completeness and relevance of the data.

**Operational/Reporting Intern**

May 2019-June 2019

Hindustan Aeronautics Ltd (HAL)–India

- Conducted detailed analysis of aircraft engine test runs to evaluate performance and identify areas for improvement.
- Generated comprehensive reports summarizing test findings, including performance metrics, trends, and comparisons.

**Skills:** Data Base, Project Management and Analytics, statistics, problem solving, Analytical skills, large datasets, Data Modelling.

**Programming Language:** Python (numpy, pandas, pyspark), R, SQL/MySQL, Machine Learning.

**Software/Tools:** Microsoft Access, Ms. Power BI, Ms. Word, Ms. Excel (v-lookup, Pivot Tables), PowerPoint), ETL, tableau, snowflake, Informatica.

**Education:**

- MS Business Analytics, Kent State University, Ohio, GPA 3.6
- Bachelor in Aerospace

**Certification:**

Fundamentals of Python Basic programming.

Hacker Rank - SQL Intermediate (Designing, optimizing, and maintaining databases)

**Academic Projects:**

Animal Protective League

- Designed interactive dashboards and reports using Business Intelligence Products Power BI, resulting in fundraising of a 10% increase in animal adoption fees by providing actionable insights/solutions.
- Analyzed historical animal adoption data and fundraising trends over the years to identify patterns and opportunities for improvement.
- Forecasted the potential funds that can be generated through pet adoption fees, enabling better financial planning and resource allocation.

#### Public Utility Data Liberation (PUDL) Power Generation

- Incorporated Python for statistical analysis of business processes and systems, performing exploratory data analysis, manipulation, and cleaning, leading to enhanced data quality.
- Conducted machine learning clustering analysis to understand the impact of fuel pricing strategies on various industries and industry trends, providing valuable insights for decision-making.
- Developed business use cases/Analytical reports to support strategic initiatives and align with stakeholder goals, contributing to the achievement of key objectives.

#### Identification of Churners in the ABC Telecom Industry

- Leveraged R programming to analyze linear regression algorithms and identify churners in the telecom industry/market, resulting in a 15% reduction in customer churn and optimizing investment allocation.
- Proposed preventive strategies to retain customers looking to switch networks, leading to improved customer retention rates and revenue stability.

#### Participations and Certifications:

- Student coordinator for Water Rocketry event in college fest in 2018 and 2019.
- Facilitated CFD and Aeromodelling Workshop in 2017.