Prospective Data Analyst/Scientist

Jaspreet Singh Dhami

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LinkedIn Profile | Portfolio
Edmonton, Alberta

Skills

Python : Pandas, NumPy, SciKit-Learn, Seaborn, matplotlib, BeautifulSoup4, sqlite3

SQL : MySQL, PostgreSQL

Excel : Pivot Tables, Charts, Conditional Formatting, XLookup, VLookup

Visualization : PowerBI

Education

BSc. Specialization Computing Science - University of Alberta   Sept 2020 - April 2024

Relevant Experience

City of Edmonton: Collision Report Analysis (Excel, PowerBI):   October 2024
- Transformed and visualized data with over 1000+ collision reports City of Edmonton.
- Leveraged Microsoft Excel pivot tables to summarize the data, resulting in a better analysis.
- Used PowerBI to create a dashboard with 8 data visuals, resulting in providing broader context.
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BellaBeat Data Analysis (Kaggle, R language, Excel, SQL, Git):   May 2022 - June 2022
- Leveraged data pipelines to clean, transform, and analyze 1.5M+ data rows.
- Used ggplot for bar graphs and scatter plots to reveal key insights from 12 distinct data relations.
- Merged, joined, and summarized multiple data frames for quality insights and results.

Song Application Database Management (Python, SQL, Git):   Sept 2022 - Dec 2022
- Refined the SQL queries, decreasing the run time by 40%, resulting in faster data retrieval.
- Conducted extensive manual testing validating functionality for functions, resulting in fixing over 10 queries to deliver accurate output.

Performance Prediction: Lasso and Linear Regression (Pandas, ScikitLearn, Seaborn):   Nov 2024
- Performed feature selection by coefficient matrix to create regression models, bringing the number of features involved down from 32 to 5.
- Created Lasso and Linear Regression models with optimal features and alpha value, achieved 91% accuracy.

Who is cleaning the air? Global AQI analysis (Pandas, Seaborn, Matplotlib):   Oct 2024
- Summarized AQI of 142 countries from a dataset with over 16000 entries, resulting in precise data visualizations.
- Analyzed each country's AQI over the 3 year period, and ranked them based on their AQI depletion.

Front Desk Attendant: Lister Center, University of Alberta: May 2022 – May 2024
- Developed collaborative skills by working with the Front Desk Team for over 2 years.
- Developed problem solving skills to enhance the customer experience.

Certifications & Awards

Google Data Analytics: Coursera   May 2023

Data Science R Basics: HarvardX   June 2020

Fundamentals of Reinforcement Learning: Coursera   Jan 2023

Dean's Honor Roll: University of Alberta   April 2021