

Skills

- SQL (MySQL, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib)
- Tableau
- Machine Learning (Linear and Multi-Regression, Logistic Regression, Decision Tree, Random Forest)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Html, CSS, Bootstrap, WordPress
- Microsoft Power BI
- Statistical: Anova, Probability

Projects

DATA SCIENCE JOB MARKET EDA – Personal project

December 2023

Utilized **Python** to analyze 7000 data science job listings and gain insights on what it takes to land a job in analytics
Implemented **Regex** techniques to comb through the job descriptions and identified the key requirements
Aggregated and visualized the data by using **pandas**, **Matplotlib** and **word cloud** to compile a professional report

SALES DATA DASHBOARD – Client's Project

February 2023

- Created interactive dashboard with **Power Bi** to track and analyze online sales data
- Used complex parameters to drill down in worksheet and customization using filters and slicers
- Created connections, join new tables, calculations to manipulated data and enable user driven parameters for visualizations
- Used different types of customized visualization (bar chart, pie chart, donut chart, clustered bar chart, scatter chart, line chart, area chart, map, slicers, etc.)
- Transformed and processed sale's data by using DAX and Excel to ensure data completeness and validity
- Consulted with client to determine the best product to be displayed on final product

SENTIMENT ANALYSIS ON TWEETS – Personal Project –

December 2019

- Utilized **python** to perform sentiment analysis on 14,000 tweeter reviews of six major airlines
- Performed data cleaning and text analysis to successfully identified the major complaints for each airline
- Applied regression and machine learning to produce a final model with an accuracy of 88% and lift of 34%

CUSTOMER SALES ANALYSIS – Personal Project

November 2022

- Utilized **SQL** to extract data from 8 different related tables from customer sales databases using **JOIN** and **VIEW**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Loaded and visualized data with **Python** to identify key business intelligences that can improve sales performance

Work Experience

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|--|---------------------------|
| DATA ANALYST – zindigiTrust | March 2000 - October 2022 |
| Implemented a new reporting using Excel Pivot and VBA which help reduced processing time by 50% | |
| Generated three process reports weekly for continuous accounts for financial and developmental analysis | |
| Creating and maintaining databases, as well as providing insights and recommendations to management based on their findings. | |

Education

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| B.S.C | Bachelor of Computer Science in Math, Computer, Economic Wahdat Road degree Collage Lahore | YEAR (2009) |
| I.C.S | Intermediate in Computer Science in Math computer physics Wahdat Road degree Collage Lahore | YEAR (2007) |
| Matric | Matric in science subject (Punjab Board) | YEAR (2005) |

Course

- DATA SCIENCE (COURSE) Alnafii institute
- PYTHON (COURSE) Alnafii institute