

Skills

Python

Libraries: pandas, matplotlib, os, BeautifulSoup2, numpy

SQL

Software: MySQL Workbench, PostgreSQL

Excel

Tools: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, VBA

Power Bi

Tools: DAX, API, Power Query

Microsoft Azure

Tools: DataBricks, Azure Data Lake, Azure Data Warehouse

Tableau

Projects

DATA SCIENCE JOB MARKET EDA

April 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 **wordcloud** to compile a professional report

BENEFIT PACKAGE BENCHMARKING DASHBOARD

June 2023

- Created a dashboard with **Power Bi** to help client compare different employee benefit packages
- Transformed and processed client's data by using DAX and Excel to ensure data completeness and validity
- Provided technical insights on how the client can fully utilize their data by introducing different technologies
- Consulted with the client to determine the best metrics to be displayed on the final product

SENTIMENT ANALYSIS ON TWEETS

December 2023

- Utilized **R Studio** to perform sentiment analysis on 14,000 Twitter reviews of six major airlines
- Performed data cleaning and text analysis to successfully identify 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 – Philadelphia, PA

January 2024

- 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 functions to improve the reporting process
- Loaded and visualized data with **Python** to identify key business intelligence that can improve sales performance

Work Experience

IT INTERN – Investment Corporation of Bangladesh (ICB) · Internship

January 2023 – April 2023

- Analyzed how they organize information with databases, saw them make custom computer programs for smoother work, and set up a personal network server for easy sharing and connectivity.

Education

BS: COMPUTER SCIENCE AND ENGINEERING

American International University - Bangladesh

May 2023

Major: Software Engineering