Bishowjith Ghosh

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Analytical and results-driven professional with over 5 years of experience in data-related roles, grounded in a robust foundation in data science. Currently pursuing a Master of Science in Data Science, with expected graduation in December 2024. Proficient in Tableau, Python, and MySQL, with practical experience in managing and analyzing large datasets, creating complex queries, and developing comprehensive reports and dashboards. Seeking a position that offers opportunities to leverage analytical skills and technical expertise to drive data-driven decisions and contribute to the organization's success.

Skills

- ➤ **Data Analysis**: Data Cleaning, Data Mining, Exploratory Data Analysis (EDA)
- ➤ **Data Integration**: Python-MySQL Integration, SQL Queries, Data Extraction
- ➤ **Data Visualization**: Tableau (Dashboards, Storytelling, Reporting)
- ➤ **Programming**: Python (Pandas, NumPy, Seaborn), MySQL, GitHub, Jupyter Notebook, HTML, CSS
- ➤ **Office Tools**: MS Office, Adobe Photoshop
- ➤ **Machine Learning**: Supervised/Unsupervised Learning, Regression, Scikit-learn, Flask for ML deployment
- ➤ **Technical Skills**: Data Modeling, Data Validation, Integrity, Transformation, Time Series Analysis

Work Experience

Data Analysis Intern , *Taskimpetus*, remote — May 2024 to Sep 2024
Utilized Tableau extensively to design interactive dashboards, visualizations, and reports, showcasing key metrics and trends. Conducted exploratory data analysis (EDA) to uncover patterns, correlations, and anomalies in data sets. Developed scripts in Python for data cleaning, transformation, and preprocessing. Leveraged MySQL to efficiently manage databases and execute complex queries for data extraction and analysis. Collaborated with the data team to ensure data accuracy and integrity.

Data Coordinator, *Applied Materials*, Austin, TX — June 2022 to May 2024
Managed and organized data sets, ensuring data integrity and accuracy. Developed efficient data collection and storage processes. Ensured timely data entry to support semiconductor industry operations, updating customers on their million-dollar tools. Assisted in data cleaning, report preparation, and insights generation. Coordinated with departments to compile necessary data and facilitated smooth workflow. Coordinated material data for parts, including requirements, incoming, and missing parts by location. Worked with IT to troubleshoot and improve data processes. Prepared and presented data reports to management. Utilized the Integrated Operations Management System (IOMS) and Microsoft Excel and PowerPoint for data entry, analysis, and reporting.

Projects

Sales Performance and Trends Analysis
Description: Developed a comprehensive Tableau dashboard showcasing sales performance, customer segmentation, and product category analysis. Implemented sales trends over time and geographical performance by state.
Tasks:
Conducted data cleaning and transformation in Python using Pandas.
Integrated MySQL for querying and extracting large datasets.
Created detailed Tableau dashboards visualizing sales trends, product category sales, and shipping performance.
Highlighted top-performing categories and geographical sales insights.

Bank Customer Data Analysis
Description: Built an interactive Tableau dashboard for analyzing customer demographics, job classifications, and regional customer distributions. The project focused on segmenting customers based on spending patterns and job classifications.
Tasks:

Utilized Python for data preprocessing and cleaning.
Connected MySQL to manage and analyze customer data.
Developed Tableau dashboards showcasing customer job classification, gender ratio, and regional distribution.
Provided detailed customer insights to help improve customer retention strategies.

Retail Sales Insights
Description: Designed a Tableau dashboard focusing on sales insights, product category performance, and customer segmentation. Analyzed payment methods and shipping performance by regions to optimize operations.
Tasks:

Performed data wrangling and transformation in Python.
Used MySQL for executing complex queries related to customer and sales data.
Developed visualizations in Tableau displaying sale, shipping performance and customer segmentation.
Integrated shipping delays and regional performance into the analysis.

Customer Data Insights
Description: Created an interactive Tableau dashboard for analyzing customer behavior, sales performance, and profit margins. Provided a detailed view of category-wise sales and sales trends over time.
Tasks:

Cleaned and transformed raw e-commerce data using Python.
Managed data extraction and manipulation using MySQL.
Visualized sales trends, customer segmentation, and profit margins in Tableau.
Presented a comprehensive view of customer data, sales trends, and yearly sales breakdowns.

EDA Python
Objective: Performed data cleaning, preprocessing, and exploratory analysis on sports and sales datasets using pandas.
Tasks:

Utilized pandas for data cleaning, including handling missing values, duplicates, and data type conversions.
Conducted exploratory data analysis (EDA) to identify trends and outliers in the datasets.
Visualizations to uncover key insights in sales performance and customer behavior.
Applied data transformation techniques for better data organization and integration into future analyses.
Python Tools Used: Pandas, Matplotlib, Seaborn

Education

M.Sc. in Data Science, Birchwood University (Graduating December 2024)
B.Sc. in Chemistry, National University (2013)

Certifications & Professional Development

Diploma in Computer Science & ICT, SIT Foundation, Bangladesh — December 2010
Software Testing and Automation Course, NextTech ITC, Irving, TX — 2021
CompTIA A+ Complete Study Guide (Course & Labs), The Goodwill Academy — May 7, 2018
CompTIA IT Fundamentals, austinfree.net, Austin, Texas — March 19, 2018

Additional Experience

Data Support Specialist, Luminex Corp, Austin, TX — July 2020 to June 2021
Data Collection Specialist, AirBorn Inc, Georgetown, TX — February 2019 to July 2020
IT Technician, Build A Sign, Austin, TX — January 2017 to February 2019
IT support Specialist, X-desk, Pflugerville, TX — March 2016 to January 2017
Web designer, Uding Inc., Barisal, Bangladesh — February 2009 to November 2015