JUDITH OKON, PMP
DATA ANALYST

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SUMMARY

Highly skilled Data Analyst with 3 years of expertise in analyzing large datasets using SQL, Python, and Excel. Proficient in creating impactful visualizations with Power BI and Tableau, conducting predictive modeling, and developing ETL data pipelines. Skilled in transforming complex data into valuable insights and providing actionable recommendations. Seeking Data Analyst roles to leverage skills in data analysis, visualization, and ETL for driving business decisions.

SKILLS

Tech Stack: Python, SQL, Microsoft Excel, Power BI, Tableau, Apache Spark, MS SQL Server, PostgreSQL

Hard Skills: Data Analysis, Data Visualization, Extract Load Transform ETL process, Data Warehousing, Data Pipeline, Statistical Analysis, Predictive Modeling, Machine Learning, Version Control (Git), Data Models, Microsoft Office Suite

Soft Skills: Strong attention to detail, Research, Problem-Solving, Strong Analytical skills, Strong Interpersonal skills, Collaboration, Project Management, Teamwork, Communication, Storytelling, Reporting, Process Improvement.

PROFESSIONAL EXPERIENCE

DATA ANALYST   August 2020 – present
Pipeline Repairs Limited

- Achieved a 25% reduction in data processing time by implementing efficient ETL data pipelines, extracting, transforming, and loading data from multiple sources using Python and SQL.
- Developed Power BI dashboard visualizations and reports to effectively communicate actionable insights to stakeholders and provided recommendations which resulted in a notable 20% increase in revenue through refined business strategies.
- Collected, Analyzed, and Interpreted large datasets using SQL and Python to identify patterns, trends, and insights that drove business decisions, leading to a 15% increase in revenue.
- Utilized machine learning to predict pipeline failures, enabling proactive measures, preventing downtime, and fostering client trust. Resulting in a 30% reduction in incidents and a 25% increase in clients retention rate
- Performed ad-hoc analytics to provide actionable recommendations that resulted in a 10% reduction in project costs and improved efficiency
- Developed and maintained data models and databases leading to efficient data analysis and reporting

BUSINESS DEVELOPMENT ANALYST   October 2018 – February 2019
ExxonMobil

- Effectively collaborated with cross-functional teams to understand business requirements and developed a solution to fix communication gaps within these departments leading to a 25% increase in productivity.
- Analyzed customer data using Python to identify and target new market segments within existing customer accounts, resulting in a 20% increase in sales and a 10% increase in customer acquisition.
- Improved customer retention by 15% through A/B testing of various pricing strategies, resulting in a 5% increase in profit margin.

PROJECT ENGINEER   April 2017- Sept 2018
Lambert Electromec Limited

- Collaborated with a team of 100+ contractors to complete building construction projects within the $5M budget and the deadline.
- Oversaw the timely completion of the installation of mechanical systems within a building construction project resulting in a 20% increase in customer satisfaction and a 10% increase in project efficiency.
- Led cross-functional teams in defining project scope, schedule, budget, and deliverables, resulting in a 5% increase in project success rate.

RELEVANT VOLUNTEER EXPERIENCE

DATA ANALYST July 2019 – August 2020
Vedic Lifecare Hospital
- Analyzed data related to the spread of COVID-19 cases in the community, resulting in a 25% increase in the identification of high-risk areas and a 15% increase in the effective allocation of healthcare resources
- Developed and implemented automated data processing scripts that reduced manual processing time by 50%, freeing up valuable time and resources for other critical tasks.

PROJECTS

SparkETL- Failure Detection and Postgres Integration
- This is an ETL data pipeline project utilizing Apache Spark. It combines columns from multiple CSV files, detects failures during processing, and adds a "failure status" column. The pipeline efficiently handles large datasets and securely integrates the transformed data into a Postgres database. This greatly improves the efficiency of data processing and empowers analysis and decision-making based on the processed data.

E-commerce Customer Churn Analysis
- Utilized SQL and Power BI to thoroughly analyze and visualize customer churn data in the E-commerce industry. By examining churn patterns, customer behaviors, and influential factors, I gained valuable insights into what drives customers to leave. Based on these findings, I provided actionable recommendations to improve customer retention, optimize business strategies, and drive growth. My proficiency in SQL querying, data analysis, and translating insights into practical business actions using Power BI was demonstrated throughout the project

E-commerce Sales Data Analysis
- Utilized Power BI and Python to reveal insights from Olist's e-commerce sales data, including total revenue, highest-performing product category, and overall product sales. Provided actionable recommendations to optimize revenue, profit, and streamline operational efficiency. Furthermore, a strategic cost-saving approach was devised to mitigate the issue of canceled orders, resulting in substantial savings of over R$250,000 for the company. Demonstrated expertise in data analysis, visualization, and driving business growth.

COVID-19 in Nigeria: Exploratory Data Analysis
- Leveraged Tableau and Python, to create an interactive dashboard and perform exploratory analysis on COVID-19 in Nigeria from Feb 2020 to Feb 2022. Revealed Lagos state as the most affected area and provided insights into trends, patterns, and regional impacts of the pandemic. This project shed light on the states in Nigeria most severely impacted by the pandemic, enabling the efficient allocation of resources to those states in need. Demonstrated data visualization, analysis, and statistical skills

Data Cleaning of FIFA 21 Dataset
- Using Python programming, I meticulously reviewed and corrected missing values, errors, and inconsistencies within the FIFA 21 dataset. The result is a high-quality dataset that is ready for analysis.

EDUCATION

Bachelor of Science (B.Sc.) Mechanical Engineering, Honors (3.31/4.00)
- Eastern Mediterranean University, Famagusta, North Cyprus (Feb 2012 – Feb 2016)

CERTIFICATIONS
- **EDX Verified certificate for Databases: Relational Databases and SQL** (June 2023)
- **Tools for Data Science by IBM** from Coursera (March 2023)
- **What is Data Science by IBM** from Coursera (February 2022)
- **Project Management Professional (PMP), PMP Number: 2631910** from Project Management Institute (July 2019)