JUDITH OKON, PMP

DATA ANALYST

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SUMMARY

Experienced Data Analyst skilled in leveraging Python, SQL, and Excel to deliver impactful insights and drive data-backed decisions. Proven track record of optimizing processes through innovative ETL pipeline development and predictive modeling. Strong ability to translate complex data into actionable strategies. Excels in collaborating and communicating with cross-functional teams and contributing to business growth. Adept at harnessing data for clinical and business solutions

SKILLS

Programming Languages | Python, SQL, Apache Spark

Database Management | PostgreSQL, MS SQL Server

Data Analysis and Visualization | Power BI, Tableau, Excel

Data Engineering | Extract Transform Load (ETL), Data Pipeline Development, Data Integration

Machine Learning | Scikit-Learn

Version Control | Git

EDUCATION

Bachelor of Science (B.Sc.), Mechanical Engineering
Eastern Mediterranean University | Famagusta, Cyprus
Feb 2012 – Feb 2016

CERTIFICATIONS

EDX Verified certificate for Databases: Relational Databases and SQL – June 2023

Data Science Methodology by IBM from Coursera – August 2023

Project Management Professional (PMP), PMP Number: 2631910 from Project Management Institute- July 2019

PROJECTS

RFM Analysis for Customer Segmentation and Profiling (Excel)

Machine Learning for Pipeline Failure Prediction and Risk Mitigation (ML techniques)

Spark-based ETL Pipeline with Failure Detection and Postgres Integration (PySpark, Postgres)

E-commerce Customer Churn Analysis (SQL, Power BI)

E-commerce Sales Data Analysis (Power BI, Python)

WORK EXPERIENCE

Data Analyst

Pipeline Repairs Limited | August 2020 - Present

- Implemented efficient PySpark ETL pipelines, reducing data processing time by 25%, using Python and SQL for seamless data extraction, transformation, and loading from diverse sources.
- Developed predictive Machine Learning models for pipeline failure prediction, achieving a 30% incident reduction and a 25% increase in client retention.
- Produced Power BI visualizations and reports to effectively communicate with stakeholders, driving a 20% revenue increase and enhanced business strategies.

Data Science Instructor (Remote)

Jupita Academy, London United Kingdom| August 2023 - Present

- Designed a comprehensive and engaging curriculum for Data Science education, ensuring students acquire well-rounded skills and knowledge for success in the field.
- Delivered dynamic lectures that fostered interactive discussions and deep comprehension of data science concepts, maintaining a participatory learning environment.
- Organized hands-on exercises and real-world projects to enhance student proficiency in data science, Machine Learning, and statistical foundation, promoting confidence in industry-standard tools and software.

Business Development Analyst

ExxonMobil | October 2018 - February 2019

- Collaborated with cross-functional teams to identify and address business needs, resulting in impactful data-driven solutions.
- Leveraged Python and SQL to analyze large customer datasets, extracting KPIs and strategically targeting new market segments within existing accounts, resulting in a 20% sales increase and 10% customer acquisition growth.
- Implemented A/B testing of pricing strategies, leading to a 15% improvement in customer retention and a 5% increase in profit margin.