ISAAC AFEDIA

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OBJECTIVE:

Detail-oriented and dedicated Data Analyst with a knack for extracting valuable insights from intricate datasets. Eagerly pursuing an engaging position where I can apply my strong analytical skills in Python, SQL, and data visualization using Tableau. Aiming to contribute to data-driven decision-making processes and enhance operational efficiency through comprehensive data analysis.

HIGHLIGHTS OF QUALIFICATION

- Skilled in Python, SQL, and data visualization techniques using Tableau to facilitate in-depth data analysis.
- Experienced in transforming complex data into meaningful insights, adeptly translating technical details for non-technical stakeholders.
- Proficient in developing efficient data models, pipelines, and ETL/ELT processes to ensure data transformation.
- Expertise in manipulating and summarizing complex datasets to uncover trends and patterns that inform business strategies.
- Strong ability to bridge business analysis principles with a technical skillset to optimize data-driven processes.

TECHNICAL SKILLS

Programming Languages:	Python, R, Java, Scala, Pig
Framework/Tools:	Pandas, NumPy, Flask, SAS, SciKit Learn, TensorFlow, PySpark, Hadoop, Databricks
Database Querying:	SQL, PL/SQL, TSQL, Cypher
Data Science:	Statistical Analysis, Data Visualization (Matplotlib, Seaborn), Machine Learning Algorithms, Data Preprocessing, Feature Engineering, Neural Network Modeling, Natural Language Processing (NLP)
Software:	SSMS, Azure Data Lake, Hive, Tableau, Power BI, SSRS, SSIS, SAS, DAX, Microsoft Excel, MDX, OLAP
Web Development:	HTML/HTML5, CSS/CSS3, Tailwind CSS, XML, JavaScript, React, TypeScript, NextJs.
Database:	Oracle, MS SQL Server, HBase, NoSQL, Neo4j
Cloud:	Azure

EXPERIENCE

Software Developer
Omega X capital, Toronto, ON   **May 2023 – Aug 2023**

- Led a dynamic team of 3 members to conceive and develop a sophisticated web application focused on Crypto management and Algorithmic trading solutions, employing an agile methodology to ensure efficient project delivery.
- Leveraged HTML, REACT, TypeScript, and Python in front-end development, creating a seamless user experience.
- Employed REST APIs to facilitate smooth communication between various components.
- Orchestrated the utilization of Crud Repository to uphold a robust Database layer, with MySQL as the designated database server.
- Collaborated closely with stakeholders to meticulously gather and translate intricate business requirements into effective technical implementations, ensuring alignment with organizational objectives.

Data Analyst
Somacom Links   **Dec 2019 – Jan 2023**

- Developed and deployed data visualization dashboards using Tableau, delivering actionable insights to senior leadership and cross-functional teams. Analyzed customer behavior data, leading to a 10% increase in revenue by identifying key purchasing patterns and opportunities for upselling.

- Orchestrated data integration and transformation initiatives using SQL, resulting in a remarkable **20%** reduction in data processing time. Applied advanced SQL queries to optimize database performance, contributing to improved operational efficiency.
- Conducted rigorous analysis of extensive datasets, unearthing pivotal trends and insights. Utilized statistical methods and hypothesis testing to identify significant correlations between customer demographics and purchasing preferences, supporting targeted marketing strategies.
- Conceptualized and executed meticulous data quality validation and cleansing protocols, ensuring a notable **15%** enhancement in data accuracy. Collaborated with the data engineering team to design automated data validation scripts, reducing manual errors and data discrepancies.
- Led the production of comprehensive data analysis reports, effectively leveraging Excel and Power BI for impactful data visualization. Collaborated with business stakeholders to translate data insights into actionable recommendations, driving data-driven decision-making processes.

PERSONAL PROJECT

Portfolio Website (React TypeScript, Next.js) [link](#)
Developed a personal portfolio website showcasing technical skills, projects, and achievements using React, TypeScript, and Next.js.

Restaurant Chain Analysis (SQL, Hadoop, Hive, Scala, Pig, HBase) [Github](#)
Big data analysis that gives insight into a restaurant chain.

Breast Cancer Prediction (Python, Logistic Regression, Perceptron) [Github](#)
Implemented a breast cancer prediction model using logistic regression and perceptron algorithms in Python. Compared the performance of both models to assess their accuracy and effectiveness.

Credit Score Analysis (Python, PCA, KNN, Logistic Regression) [Github](#)
Conducted a credit score analysis using Python, applying Principal Component Analysis (PCA), K-Nearest Neighbors (KNN), and logistic regression models. Evaluated different models' performance in predicting creditworthiness.

Supermarket Sales Analysis (Tableau) [Github](#)
An in-depth analysis of supermarket sales data from densely populated cities, with a focus on three specific cities of a prominent supermarket company. The analysis aims to extract insights into consumer behavior and market trends, which can guide data-driven business decisions.

EDUCATION

Information Technology Solutions, Postgraduate   **2022 - 2023**
Humber College, Toronto, ON

Relevant Competencies

- Understanding of data structures, modeling, and algorithmic principles.
- Proficient in Microsoft Excel with skills in pivot tables, v-lookups, formulas, and data manipulation.
- Proficient in implementing multi-dimensional data models to support analytical processing.
- Experience with object-oriented/object function scripting languages: Python, Java.
- Expertise in SQL/NoSQL databases and cloud-based data warehousing solutions.

Civil Engineering, B.Eng.   **2014 - 2019**
Ambrose Alli University, Nigeria

INTERESTS

Language: Strong aptitude for language learning. Currently learning French on the Duolingo language app.
Sports: Keen interest in football. Frequently volunteered as a football referee at kids' weekend football matches.