Ismail Braimah

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Address: GWCL, U/E Region.

Date: September 19, 2023

Summary:

Experienced data professional with a proven track record in database management systems and data analytics, specializing in SQL and Python. Proficient in Java, JavaScript, and a range of data-related tools. Demonstrated ability to develop machine learning applications for real-world applications. Seeking to leverage five years of expertise and IT certifications to drive impactful projects in the fields of data science and ML.

Professional Skills:

Programming Languages: Python, HTML, JavaScript

Databases: SQL, MS Access

Tools & Technologies: GitHub, Visual Studio Code, MS Excel, Power BI

Operating Systems: Windows, Linux

Related Skills: Hadoop, Apache Spark, Apache Hive, Apache Pig, Distributed File Systems (HDFS),Supervised Learning, Unsupervised Learning, Deep Learning, Feature Engineering, Model Evaluation and Validation, Jupyter Notebooks, Effective data storytelling, Agile and Scrum methodologies, Project planning and execution, ETL processes, Data Pipeline Development, Data Ingestion, Data Integration, Data Cleaning and Preprocessing, Data Transformation, Data Warehousing.

Professional Experience:

Ghana Water Company Limited-Upper East Region, December 2018 - Present

Position: ICT Officer

* Led a team in developing a machine learning application to predict water quality, resulting in a 20% improvement in accuracy.
* Conducted rigorous dataset extraction, cleaning, and analysis to ensure data integrity for the predictive model.
* Designed and implemented user interfaces (UI) using Streamlit, HTML, and CSS for enhanced user interaction.
* Collaborated with cross-functional teams and stakeholders to align projects with organizational goals.
* Utilized Windows 10, Excel, Python, SQL, and other tools for project implementation.
* Ghana National Service Scheme Northern Region, August 2017 – August 2018

PROJECTS

Machine Learning Engineer - Ghana Water Company Limited

Project Description: Developed a machine learning application predicting water quality based on various parameters.

Duration: September 2021 – December 2021

Achievement: Achieved a 20% improvement in water quality assessment accuracy through data-driven modeling.

Responsibilities: Led dataset extraction, cleaning, and analysis efforts. Designed and implemented user interfaces (UI) for enhanced user interaction.

Machine Learning Engineer - Ghana Water Company Limited

Project Description: Created a machine learning application predicting the occurrence of five different diseases.

Duration: February 2021 – August 2021

Responsibilities: Conducted data set extraction, cleaning, and analysis. Designed and implemented user interfaces (UI) for the application.

New Service Connection Portal

Machine Learning Engineer - Ghana Water Company Limited

Project Description: Developed a GPS-based web application for creating customer accounts.

Duration: April 2020 – November 2020

Responsibilities: Mapped company's geographical areas, prepared the database of mapped GPS coordinates, and conducted accuracy tests on coordinate systems.

Projects - Ghana National Service Scheme Northern Region:

Database Developer – Ghana National Service Scheme

Project Description: Designed a web application for certificate issuance.

Duration: June 2018 – June 2018

Responsibilities: Managed data extraction, cleaning, analysis, and system testing tasks, facilitating the transition from paper to digital processes.

IT CERTIFICATIONS:

Certificate in Software Development – March 2020 – July 2020

Skills: Fundamentals of Computing, HTML & CSS, JavaScript, Database Technology, Python, Software Engineering

EDUCATION:

Diploma in Business Computing (DBC) – Big Data Analytics,

Advanced Information Technology Institute,

OCTOBER 2020 – APRIL 2021.

B.Sc. Computer Science,

University for Development Studies,

JULY 2013 – JULY 2017.