**Applicant for MS in Data Analytics**

Accra, Ghana.

**Ayuba Ahmed Bayugo**

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**EDUCATION**

**University of Energy and Natural Resources 2019**

BSc Information Technology – Second Class upper

**TECNICAL SKILLS**

**Scripting** **Languag**es: Python

**Spatial Analytics**: QGIS, QField, Earth Analytics, Python (Geopandas, Fiona and Shapely)

**Visualization:** Power BI, R Library (ggplot2), Python Libraries (Matplotlib, and Seaborn)

**Statistical** Tools: R(Foundations) and Microsoft Excel

**Operating Systems:** Windows

**PROFESSIONAL COMPETENCIES**

* Querying relational and non-relational databases in MySQL and Python scripts.
* Creating data visualization dashboards in Power BI and Excel.
* Data cleaning and transformation in python (pandas and numpy) and R (tidyr and dplyr).
* Workshops and training presentations.
* Process automation with python.
* Geospatial analytics in QGIS, QField, sentinel hub and Google Earth Analytics.
* Research and development.

**PROFESSIONAL EXPERIENCE**

**Data Analyst**Ecom Trading (Unicom) – Burkina Faso, Benin, Ghana, And Togo November 2024 – Present

* Utilization of remote sensing and satellite imaging technologies to monitor organic soya and cashew nut plantations.
* Curate and performs quality checks to ensure accuracy and reliability.
* Analyzes commodity acquisition and transaction data to identify cost savings and optimize procurement strategies.
* Manages logistics analysis, tracking cargo from origin to port, and ensuring timely shipments through effective monitoring of processes.
* Developed performance reports to track KPIs, such as on-time delivery, costs, AR days, and warehouse efficiency.

**Junior Data Analyst**Ecom Trading (Agroecom), Sustainability Management Services, Kumasi, Ghana

November 2023 – October 2024

* Automated processes using Python, developing scripts to streamline SQL queries and Excel tasks, reducing manual effort by 30% and enhancing data processing efficiency.
* Conducted quality validation of farmer household data and farm maps, ensuring compliance with EUDR, COCOBOD, and ICI regulations by verifying farm sizes, detecting encroachments, monitoring child labor activities.
* Managed data quality, ensuring farm data accuracy and completeness to maintain high standards.
* Testing GIS mobile applications on field to assist developers in meeting operations requirement.
* Trained over 300 field officers on data collection and farming mapping techniques and technologies.

**Digital Solutions Developer Intern** Consolidated Bank Ghana – Kokomlemle October 2022 – December 2022

* Developed a web application for recording and storing monthly security simulations assessments in a database, providing accurate records on security issue for analysis and strategic decisions.
* Assisted the testing team with the testing and writing of test scripts for a customer onboarding application and reported functionality errors to the developer.
* Prepared the technical documentation for a sanctioned screening portal.
* Documented errors and vulnerabilities developers face when developing systems solutions.

**ACADEMIC PROJECTS**

* Developed and deployed machine learning models (soft voting and stacking classifier) to recommend suitable crops for farmers based on crop production data, satellite imagery, and climate data.

**SERVICE AND LEADERSHIP**

Organizing Committee Member, Ecom Trading (Agroecom) Kumasi, Ghana - 2024

* Contributed to charitable efforts at a school in Ejisu, providing support and resources for students in need.

Project Lead, Final year undergraduate thesis, UENR - 2023

* Led 4-person team to develop and deployed machine learning model powered mobile app to recommend suitable crops for farmers.

Deputy Projects Organizer, GNPC Foundation Scholars, UENR-Cohort - 2022

* Led the "We Can Go to School Again" charity initiative, providing mentorship and resources such as wheelchairs, eyeglasses, and essential school supplies to students in underserved communities.