**Richard Adu**

[richardaadu@gmail.com](mailto:richardaadu@gmail.com) |www.linkedin.com/in/richard-adu/| +233 244-915-917

**Data Analyst**

Data Analyst with expertise in Python, SQL, and data quality management, skilled in cleaning, analyzing, and visualizing data to drive actionable insights. Experienced in collaborating with global teams to improve data collection processes and build scalable tools. Passionate about leveraging data to address sustainability challenges in agriculture, particularly for smallholder farmers.

**Technical Skills**

* **Data Analysis & Cleaning**: Python (Pandas, NumPy), SQL (PostgreSQL, MySQL), Exploratory Data Analysis (EDA)
* **Data Visualization**: Power BI, DAX, Matplotlib, Seaborn
* **Tools**: Google Docs, Microsoft Office Suite, Jupyter Notebook, Git
* **Cloud Platforms**: AWS (SageMaker, Lambda), Azure
* **Research & Collaboration**: Quantitative data management, cross-functional teamwork, remote collaboration

**Work Experience**

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**Data Analyst |Trainer** June.2019–Present

**IPMC**

* **Data Quality & Analysis**: Cleaned and analyzed large datasets using Python and SQL, improving data accuracy by 85%. Developed automated quality control reports for field teams.
* **Tool Development**: Designed and tested data collection tools (e.g., smartphone surveys) and collaborated with engineering teams to integrate new systems.
* **Training**: Led workshops on data quality protocols and Python scripting for non-technical teams, enhancing data literacy across organizations.

**AWS ML Engineer |Trainer** Jan.2016–Present **ReserveNet Alliance –Accra**

* **Remote Collaboration**: Worked with global teams to deploy scalable data pipelines (AWS Lambda) and real-time monitoring dashboards (Power BI).
* **Insights Generation**: Prepared weekly progress reports and stakeholder presentations using agricultural and operational data.

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| **IT/Stock Manager** Feb.2009–Dec.2016 S **Silverbird Entertainment Ltd, Ghana**  Accra, Ghana |  |  |  |
| * **Data Management**: Streamlined inventory data collection and trained staff on accurate record-keeping, reducing errors by 30%.   **Projects**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |

* **Python-Based Data Cleaning**: Automated validation checks for survey data, flagging inconsistencies for field teams.
* **Power BI Dashboard**: Created interactive reports to track field data collection progress, enabling real-time decision-making.
* **SQL Analytics**: Developed queries to analyze coffee farm survey data, identifying trends in sustainability practices.

**Education & Certifications**

* Bachelor of Applied Science in Information Technology | Ensign College, USA (2025)
* AWS Certified Cloud Practitioner
* Microsoft Certified Power BI Data Analyst Associate
* Oracle SQL Certified Associate