

Education

BACHELOR OF SCIENCE IN ICT – University of Education – Winneba, Ghana October 2022
Database Systems, Management Information Systems, Object Oriented Programming with Java, Data Structure and Algorithm, Data Analysis.

Skills

Python

Libraries: Pandas, Matplotlib, NumPy, Seaborn.

Tableau/Looker Studio

Data Visualization, Dashboard Development.

R Programming

Packages: dplyr, ggplot2, tidyr.

SQL

Software: BigQuery, MS-SQL Server.

Excel/Google Sheet

Tools: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, VBA.

Certifications

- IBM Data Science Specialization (Coursera, Ongoing)
- Machine Learning with Python (FreeCodeCamp, 2024)
- Google Data Analytics Professional Certificate (Coursera, 2023)
- Excel for Business Specialization (Coursera, 2023)

Projects

STUDENT PERFORMANCE TRACKING DASHBOARD – Personal Project – Ho, Ghana 2025

- Developed a dynamic student analytics dashboard in Google Sheets and Looker Studio to track attendance, exercise scores, and academic performance. Automated data processing to generate key performance indicators (KPIs), visualize trends, and identify at-risk students for targeted interventions.

MULTIPLE LINEAR REGRESSION ANALYSIS – Personal Project – Ho, Ghana 2025

- Conducted a multiple linear regression analysis using Python (Google Colab) to examine the impact of attendance and exercise scores on student performance. Discovered that exercise scores were a stronger predictor ($R^2 = 0.534$) than attendance ($R^2 = 0.198$). Created visualizations to highlight trends and provided data-driven recommendations for academic support strategies.

GOOGLE DATA ANALYTICS CAPSTONE PROJECT – Personal Project – Ho, Ghana 2023

- Utilized R to import, clean, and analyze large datasets, applying statistical techniques to identify trends in bike-share customer usage and providing recommendations to increase annual memberships.

PIZZA SALES REPORT – Personal Project – Ho, Ghana 2023

- Employed SQL to calculate key performance indicators (KPIs) such as Total Revenue and Average Order Value, applying statistical methods for accurate data aggregation. Utilized Tableau to visualize insights on order trends and distributions, highlighting peak times and contributions by category, using data analysis to drive business decisions.

Work Experience

Lead For Ghana

Mathematics Teacher, Kajaji Senior High School

Kajaji, Ghana

Sep 2024 – Present

- Instructed further mathematics to 193 students per semester, enhancing their algebra, calculus, and geometry skills.
- Mentored students, leading to measurable improvements in academic performance.
- Adapted national curriculum for diverse learning needs in an underserved area.
- Established peer tutoring program, fostering collaboration and student success.
- Organized workshops to guide final-year students in transitioning to higher education.

- Led initiatives, advocating for equity and student development in an underserved community.

Sunda International Company Ghana

Warehouse and Data Entry Special

Accra, Ghana

Jan 2024 – Sep 2024

- Managed inventory operations, ensuring accuracy and compliance with company standards.
- Performed data entry using Warehouse Management Systems (WMS) for accurate inventory and shipment records.
- Validated and cleaned data to maintain quality and integrity.

Biakpa E.P Primary School

Ho, Ghana

Nov 2022 – Oct 2023

I.C.T and Mathematics Teacher

- Instructed ICT and Mathematics to 218 students per term, covering key topics in digital literacy and problem-solving.
- Created and administered assessments (quizzes, exams, homework) for effective evaluation.
- Developed weekly lesson plans for curriculum delivery.
- Collaborated with colleagues to align lessons with educational standards.

Dzodze-Penyi Senior High School

Dzodze, Ghana

Nov 2021 – Apr 2022

Teaching and Lab Assistant

- Instructed ICT to an average of 56 students per class, focusing on programming and Microsoft Office, especially Excel.
- Designed and supervised practical assessments to evaluate student understanding.
- Analyzed performance data and provided recommendations for improvement.
- Supported student enrolment processes by assisting with first-year registrations, ensuring accurate data entry, and a smooth onboarding experience.