

**ELIZABETH-LYNDA  
NARTEY** - DATA ANALYST  
Washington, DC  
202-497-5984  
[narteyelizabethlynda@gmail.com](mailto:narteyelizabethlynda@gmail.com)

[GitHub Profile](#)

**SUMMARY**

Data Analyst with strong foundations in machine learning and business analytics. Experienced in analyzing complex datasets, building predictive models, and translating insights into data-driven decisions across financial, operational and customer contexts.

**DATA SCIENCE PROJECTS**

**AI Market Bubble Prediction**  
Analyzed historical price data, valuation metrics, and market sentiment (NLP) to identify speculative market bubbles; applied predictive and time-series models to assess crash risk.

**Kaggle Portfolio** – Performed quantile regression, time-series modeling, and financial forecasting using Python.

**Business Analytics Data Simulation**  
Simulated synthetic datasets using AI tools and statistical techniques to analyze performance variability with ML models.

**Interactive R Shiny Visualization** -  
Designed an interactive R Shiny web application using API-sourced cybersecurity data to visualize vulnerability severity trends across the U.S. and globally.

**SKILLS**

**Languages:** Python, SQL, R  
**Tools:** Pandas, NumPy, Scikit-learn  
**Analytics:** Regression, Classification, Time Series, Feature Engineering  
**Visualization & Reporting:**  
Git, AWS, R Shiny, Tableau Dashboards, API-based Data Integration, SAS

**EDUCATION**

American University, Washington, DC - Graduate Assistant 2026  
MS Data Science in Business Analytics 3.8 GPA  
Kwame Nkrumah University of Science and Technology, Ghana 2022  
BS Computer Science

**RELEVANT CERTIFICATIONS**

*Machine Learning & Data Analytics*

- **SAS Certified Specialist:** Machine Learning Pipelines
- **SAS Certified Specialist:** Visual Business Analytics
- **SAS Certified Specialist:** Modelling Using SAS Visual Statistics
- **SAS Certified Associate:** Programming Fundamentals
- **Advanced Google Analytics**
- **Girls Are ELITE** Programming Certification
- **Lead it Africa** Public Speaking & Development Training.

**LEADERSHIP AND WORK EXPERIENCE**

*Vice President* CAS Graduate Students', American University Fall 25/26

*Social Media Mgr.,* American Statistical Society, AU Fall 25/26

*Graduate Trainee,* MTN Ghana 2022 - 2025

- Analyzed network performance data to identify efficiency gaps and support optimization decisions.
- Developed Python-based optimization and automation tools improving signal processing, demonstrating strong algorithmic and analytical problem-solving skills.

*Vice President,* Computer Science Women's Commission 2021/2022

**EXTRACURRICULAR & VOLUNTEERING**

*National Science and Math Quiz Semifinalist, 2018*

- Represented *Ghana National College* in Ghana's top **STEM** competition, showcasing precision and attention to detail.

*KNUST Alumni Tree Planting and Arboretum project*

- Participated in a tree planting exercise towards the United Nations Sustainable Development Goals 13 and 15.

*Peer Mentor,* Mamfe Youth Mentorship

- Mobilized graduates to provide mentorship to high schoolers and create STEM awareness to rural communities in Ghana.

**WORK AUTHORIZATION**

Eligible to work in the U.S. - OPT/CPT valid through 12/2028