

ERIC AGYEI

Data Professional | Project Management | Scrum Master

(438) 8606-101 | agyeieric72000@gmail.com | [Portfolio Website](#) | [LinkedIn](#) | [Credly Badges](#)

Professional Summary

Detail-oriented and results-driven Data Professional with a unique blend of military leadership and data analytics expertise. Proficient in leveraging data to drive business performance and optimize strategic decision-making. Skilled in data visualization, data cleansing, and generating actionable insights using Power BI, Tableau, SQL, Python, and machine learning. Proven ability to analyze large datasets and deliver high-quality reports and dashboards to support business decisions. Demonstrated initiative by building and hosting a custom analytics portfolio on a self-managed Kubernetes Raspberry Pi cluster, showcasing deep understanding of containerization, DevOps, and full-stack data deployment. Passionate about utilizing data to develop innovative solutions and enhance operational efficiency.

Technical Skills

- **Data Visualization & Reporting:** Power BI, Tableau, Excel, SQL, Python (Pandas, Seaborn, Matplotlib), Scikit-learn, Statsmodels
 - **Database Management:** MySQL, PostgreSQL, NoSQL
 - **ETL & Data Processing:** Dask, Pandas, Data Cleaning, Data Transformation
 - **Business Intelligence:** Power BI, Tableau
 - **Cloud & DevOps:** Kubernetes, Docker, Git, Flask
 - **Machine Learning & AI:** TensorFlow, Keras, Scikit-learn, PyTorch
 - **Project Management:** Agile (Scrum), PMP
 - **Soft Skills:** Communication, problem-solving, cross-functional leadership, attention to detail
 - **Other Tools:** Excel (Advanced), Power Query, Jupyter, VSCode
-

Professional Experience

Data Analyst Intern

Fanz Canadian Immigration Consulting – Montreal, QC

Aug 2024 – Dec 2024

- Developed Power BI and Tableau dashboards for real-time insights, improving data accessibility and speeding up decision-making.
- Conducted deep analysis on datasets >500,000 rows to identify key trends and performance drivers.
- Created reports aligned with client success metrics; improved client strategy outcomes.
- Streamlined internal data workflows, reducing reporting time by 30%.

Lieutenant Navy / Commanding Officer

Ghana Armed Forces – Accra, Ghana

Feb 2017 – Jan 2019

- Led cross-functional operational teams and conducted risk analysis using AIS, satellite imagery, and maritime sensors.
- Presented real-time intelligence dashboards to top command, aiding operational readiness.
- Improved situational decision-making with strategic data interpretation.

Lieutenant Navy / Officer-in-Charge – Maritime Operation Center

Ghana Armed Forces – Accra, Ghana

Mar 2010 – Jan 2017

- Managed automated maritime surveillance systems; analyzed geospatial and sensor data to detect threats.
 - Produced comprehensive intelligence reports for strategic planning and operations.
 - Led efforts to modernize vessel tracking and reporting processes.
-

Education

College Diploma in Analytics, Big Data, and Business Intelligence

Trebas Institute – Montreal, QC

Apr 2023 – Dec 2024 (Expected)

Bachelor of Science in Nautical Science

Regional Maritime University – Accra, Ghana

Aug 2006 – Jun 2010

Diploma in Military Studies

Ghana Military Academy – Accra, Ghana

Oct 2005 – Sep 2007

Certifications

- Google Advanced Data Analytics — Google on Coursera (April 2025)
- TensorFlow Advanced Techniques — DeepLearning.AI on Coursera (January 2023)
- Deep Learning Specialization — DeepLearning.AI on Coursera (October 2022)
- IBM Data Science Professional Certificate — IBM on Coursera (June 2022)
- Certified Professional in Python Programming (PCPP1) – March 2022
- Excel Skills for Business Certificate — Macquarie University on Coursera (January 2022)
- Certified Scrum Master (CSM) – Scrum Alliance (December 2020)
- Software Product Management – University of Alberta on Coursera (November 2020)

- Project Management Professional (PMP) – Project Management Institute (August 2020)
-

Key Projects /Achievements

Self-Hosted Analytics Portfolio on Kubernetes

- Built and deployed a full-stack portfolio website on an 8-node Raspberry Pi Kubernetes cluster, showcasing real-world data science and business intelligence projects.
- Used Docker for containerization, Kubernetes for orchestration, and Flask/React for dynamic frontend-backend architecture.
- Enabled persistent storage via NVMe SSD, simulating production-grade infrastructure on a personal scale.
- Demonstrated end-to-end technical skills from infrastructure setup to analytics dashboard deployment.

Service Improvement: Automated reporting pipelines, reducing manual input by 30%.

Business Intelligence: Designed stakeholder dashboards leading to faster strategic decisions.

Operational Risk Prediction: Applied Machine Learning models to identify potential risks in maritime operations.

Additional Skills

- **Languages:** English (Fluent)
- **International Experience:** Global leadership in high-pressure security and data environments.