

# Andrew Nii Nortey Amartei

Portland, ME | (303) 995-3149 | [andrewamartei@gmail.com](mailto:andrewamartei@gmail.com) | [linkedin.com/in/andrewamartei](https://www.linkedin.com/in/andrewamartei)

## **PROFESSIONAL SUMMARY**

Analytical and technically skilled Data Analyst with 10+ years of experience in IT operations and infrastructure, now focused on delivering business insights through data. Holds a Master's in Analytics (GPA 4.0) with expertise in SQL, Python, Power BI, and Tableau for data visualization, data cleaning, and dashboard development. Completed real-world projects using predictive modelling, logistic regression, and correlation analysis to drive pricing and retention strategies. Proven ability to support ETL processes, develop KPI dashboards, and conduct data profiling aligned with business goals. Strong foundation in metadata management, data governance, and stakeholder collaboration. Adept at translating complex data into actionable insights to support decision-making, reporting, and operational improvement.

## **TECHNICAL SKILLS**

- **Languages & Tools:** Python, SQL, R, Excel
- **Visualization:** Power BI, Tableau, ggplot2, Matplotlib, Seaborn
- **Analytics & ML:** Predictive Modeling, Logistic Regression, Correlation Analysis, Data Mining, Hadoop, Spark
- **Systems & Networking:** Windows, macOS, Linux, Routing & Switching
- **Certifications:** HCIA, CCNA, CompTIA A+, CompTIA N+, PRINCE2 Foundation

## **PROFESSIONAL EXPERIENCE**

**Northeastern University, Portland, ME**

**February 2024 – March 2025**

**Peer Tutor**

- Facilitated weekly analytics labs and tutoring sessions to support graduate student success
- Delivered workshops on statistical analysis, modeling, and data visualization tools

**Progress Savings and Loans Ltd, Accra, Ghana**

**August 2020 – August 2023**

**IT Manager**

- Led enterprise IT operations, increasing efficiency by 20% through infrastructure upgrades
- Reduced downtime by 40% by implementing advanced cybersecurity and data recovery protocols

**B-One Savings and Loans Ltd, Accra, Ghana**

**October 2018 – August 2020**

**IT Manager**

- Proactively maintained network systems, achieving a 95% incident resolution rate
- Designed and led IT training programs, improving staff technical proficiency by 40%

**Christian Community Microfinance Ltd, Accra, Ghana**

**March 2011 – September 2018**

**IT Infrastructure Support Manager**

- Oversaw multi-branch IT expansions, maintaining 99.9% uptime and improving operational output by 20%
- Managed core banking and MIS migrations with zero data loss and 70% reduction in disruption
- Developed and standardized IT policies, manuals, and backups to strengthen data security

**Opportunity International Savings and Loans, Accra, Ghana**

**August 2008 – February 2011**

**IT Systems Administrator**

- Provided first-line IT support with a 90% resolution rate across multiple branches
- Maintained systems and backups, ensuring consistent infrastructure performance

## **PROJECTS**

**Pricing & Promotion Analytics (R.W. Knudsen)**

**January 2025 – March 2025**

- Conducted pricing elasticity and promotional analysis using Nielsen data to support pricing strategies for premium juice brand RWK. Delivered actionable insights on thresholds and consumer sensitivity.

*Tools: Excel, Python, Tableau*

#### **Student Retention Analytics (Nearpeer)**

**September 2024 – December 2024**

- Built a logistic regression model to analyze engagement and enrollment data, identifying key predictors of student retention. Recommended platform improvements for underserved student groups.

*Tools: Python, R, logistic regression*

### **EDUCATION**

**Northeastern University**, Portland, ME

Master of Professional Studies in Analytics

**March 2025**

GPA: 4.0/4.0

**Coventry University**, Coventry, UK

Master of Science in Management Information Systems

**September 2014**

**University of Ghana**, Accra, Ghana

Bachelor of Arts in Psychology with Philosophy

**May 2007**