

# Emmanuel Ikekwere

Harrisburg, Pennsylvania | [emmaikekwere@gmail.com](mailto:emmaikekwere@gmail.com) | +1 (512) 351 5297 | [linkedin.com/in/ikekwere-emmanuel/](https://www.linkedin.com/in/ikekwere-emmanuel/)

## PROFILE SUMMARY

Driven and problem-solving data scientist passionate about leveraging technology for scalable solutions and embracing complex challenges. Seeking internship or co-op to gain technical skill and contribute meaningfully to team success.

## EDUCATION AND HONORS

### Master of Science, Data Analytics

Harrisburg University of Science and Technology, Harrisburg, Pennsylvania

Expected Graduation: August 2024

GPA: 3.75

### Bachelor of Science, Mathematics

University of Agriculture Abeokuta, Abeokuta Ogun State

October 2011 – November 2015

Completed

## RELEVANT PROJECTS

### *Economic Indicators Analysis via VAR Modeling* - [GitHub](#)

- Developed a comprehensive Vector Autoregression (VAR) model to analyze the interrelations between unemployment, federal funds rates, and the Consumer Price Index (CPI), accurately forecasting 3 months ahead of economic trends.
- Crafted a robust predictive model and communicated complex data insights through visualizations, contributing to a deeper understanding of economic indicators for policy implications.

### *Landfill Data Analysis and Sustainability Mapping Project* – [GitHub](#)

- Conducted a comprehensive analysis of the LMOP Database, covering 2,637 municipal solid waste landfills across the United States, utilizing advanced data manipulation to identify critical waste management insights.
- Developed interactive leaflet maps to visually represent waste acceptance rates and landfill sustainability.

## PROFESSIONAL EXPERIENCE

### Data Analyst and Business Associate (Internship) | Balm Technologies Inc., Harrisburg, PA

June 2023 – October 2023

- Led a machine learning initiative analyzing customer behavior, achieving a 75% uplift in retention through data-driven marketing strategies.
- Enhanced operational efficiency by 20% through advanced analytics, leveraging Python for process optimization.
- Facilitated cross-functional collaborations, significantly boosting the integration of data-driven insights into business strategies with organizational goals and enhancing product development by 23%.
- Spearheaded the development of data pipelines, improving data quality by 35% and enabling efficient data management.

### Technology Analyst (Part-Time) | AI-Health, TX

December 2022 – April 2023

- Applied machine learning techniques to analyze over 1,000+ customer feedback entries, providing crucial insights for service improvement and customer satisfaction enhancement.
- Developed and deployed predictive models for service performance, employing regression analysis and time-series forecasting, achieving a 25% improvement in operational performance.
- Presented data insights through interactive BI dashboards to identify 5 areas for process optimization.
- Utilized R and SQL for data cleansing and transformation, ensuring seamless integration and alignment with data systems.

### Research and Data Analyst | C7 Technologies, West Africa

February 2016 – July 2022

- Created data visualization and presentations that translated complex data findings into actionable insights, enhancing stakeholder engagement and strategic decision-making.
- Developed models to solve intricate business problems, providing data-driven solutions that guided corporate strategy.
- Delivered 20+ projects with an 83% client satisfaction rate, enhancing client retention by offering tailored data insights.
- Optimized user interface and administration for over 10 database systems, enhancing system performance by 30%.

## TECHNICAL SKILLS

**Programming Languages & Tools:** Proficient in R, Python, and SQL, familiar with AWS/Azure, Tableau, Google Collaboratory, Microsoft PowerBI, Google Analytics, JavaScript, HTML, and Version control (Git/GitLab).

**Data Analysis & Visualization:** Expert in data analysis, predictive analysis, machine learning (deep learning and anomaly detection), data visualization, and business analytics.

**Software & Database Management:** Experience with software development and database management using MySQL, Microsoft SQL Server, NoSQL, PostgreSQL, and familiarity with Snowflake.

**Project Management & Collaboration:** Agile methodology, cross-functional team leadership, and effective communication.

## LEADERSHIP AND VOLUNTEER EXPERIENCE

- Workshop Facilitator** | Black Is Tech – Contributed to successfully executing workshop programs at the '23 BIT conference.
- National Volunteer** | National Society of Black Engineers (NSBE) – slated to support the organization, reinforcing NSBE's mission to increase community engagement in STEM.