

# NTAMBARA SYLVESTRE OWEN

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## Objective

Data Analyst and Scientist with over 4 years of experience in data analytics, machine learning, and engineering. Skilled in analyzing complex datasets, improving data quality, and developing predictive models for business. Passionate about leveraging data to drive impactful decisions.

## Key Skills

- **Data Analysis:** Python, SQL, R
- **Machine Learning:** Predictive analytics and model deployment
- **Data Visualization:** Metabase, Power BI, Grafana, Google Sheets
- **Engineering:** Energy systems, power systems and electronics systems
- **Project Management:** Strategic planning, process optimization, cross-functional collaboration

## Professional Experience

### Data Specialist

*Ampersand E-Mobility [January 2024 – Present / Kigali, Rwanda]*

- Analyzed large datasets to provide actionable insights on battery, vehicle, and station performance.
- Developed and maintained interactive dashboards, enhancing data-driven decision-making.
- Implemented machine learning models to optimize charging infrastructure.
- Mentored team members on data engineering tools and best practices.

### Repair Systems Engineer

*BBOX Africa Management [September 2022 – December 2023 / Kigali, Rwanda]*

- Designed a web-based repair tool, reducing PCB repair costs by 40%.
- Conducted repair data analysis, generating insights for strategic decision-making.
- Created technical guides and training resources for technicians and senior management.

### Electrical Engineer

*Ampersand E-Mobility [February 2020 – September 2022 / Kigali, Rwanda]*

- Conducted analytics for electric motorcycle and battery systems, improving operational efficiency.
- Built dashboards for vehicle and battery maintenance.
- Performed root cause analysis and created troubleshooting guides.

## **Education**

### **Carnegie Mellon University**

*MSc. Electrical and Computer Engineering [August 2018 – December 2019 / Kigali, Rwanda & Pittsburgh, USA]*

- Focus: Data Science, Machine Learning, Energy Systems

### **University of Rwanda, College of Science and Technology**

*BSc. Electrical Engineering [November 2014 – November 2018 / Kigali, Rwanda]*

- Focus: Electrical Power and Electronics Engineering

## **Certifications**

- Machine Learning (“Stanford Online”)
- Data Analysis with Python (Cognitive Class)
- Applied Machine Learning (Carnegie Mellon University)
- Basic AI Essentials (ALX Africa)

## **My daily work includes but not limited to;**

- Developing and monitoring Driver Swap Stations Recommendations
- Developing and monitoring Fraud Swap Detection System
- Developing and monitoring Vehicle Failure Prediction Model
- Developing and monitoring Battery Preventive Maintenance Model
- Dashboards for Leadership, Operations, and Battery Teams