

# Kivlyn Asante

Data Scientist in Utilities - Engineer and Corporate Strategist



**A proven data scientist with 20+ years of experience delivering impactful data-driven solutions to drive business growth and grow revenues.**

## Contact

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[LinkedIn](#)  
[Web Portfolio](#)

## Education

DF, SMC University  
MBA, Coventry University,  
UK  
MSC, Electrical Engineering:  
Kharkov State Technical  
University

## Skills

R & Shiny (Tidyverse)  
AWS & Cloud  
Git & Docker  
Time Series Forecasting  
Customer Segmentation  
Churn & Attrition Prediction  
Time Series Anomaly  
Detection

## Work Experience

### GENERAL MANAGER/CORPORATE PLANNING

ELECTRICITY COMPANY OF GHANA

September 2014 - Present

- Identified gap in work processes to improve detection of energy theft, faulty metering and billing anomalies that led to the development of an app
- Reduced customer visits by revenue protection teams by 60% recovering GHS 300 million in revenue
- Used time series anomaly detection to reduce number of customers visited by 90%
- Sample Project 1:  
[https://knasante.shinyapps.io/Customer\\_Consumption\\_Anomalies\\_\(R\\_Shiny\)](https://knasante.shinyapps.io/Customer_Consumption_Anomalies_(R_Shiny))
- Sample Project 2:  
[https://knasante.shinyapps.io/Health\\_Care\\_Analysis\\_\(R\\_Shiny\)](https://knasante.shinyapps.io/Health_Care_Analysis_(R_Shiny))

### SECTIONAL MANAGER/RESEARCH & DEVELOPMENT

ELECTRICITY COMPANY OF GHANA

May 2007 - September 2014

- Developed application software using VBA and Microsoft Access for transformer monitoring which reduced man-hours by 20% and transformer burnouts by 5%.
- Performed root cause analysis on single core underground cable failures. This led to 90% reduction in cable failures and costs of replacing more than 100 km of cables.
- Developed application software using VBA and Microsoft Access for switching operations which reduced outages by 10%.

### SENIOR & ELECTRICAL ENGINEER

ELECTRICITY COMPANY OF GHANA

June 2002 - May 2007

- Developed various application softwares using VBA and Microsoft Access. These softwares include switching operations which reduced outages by 10%, meter management which reduced man-hours by 50%, revenue collection which increased revenue collection by more than 100% consistently for 3 months.
- Awarded best worker in Volta Region and overall ECG best worker for ECG in 2005 for outstanding improvement in revenue collection.