

# David Nartey

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## Education

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### Kwame Nkrumah University of Science and Technology

Bachelors of Science, Statistics

September 2022

GPA 3.76 / 4.00

- (WES) Relevant courses: Applied Time Series, Stochastic Process, Mathematical Programming, Regression Analysis, Multivariate Data Analysis, Statistical Quality Control, Natural Language Processing, Operation Research, Introduction to Bayesian Analysis, PCA.
- Data Science Project: A comparative analysis of classification models in predicting customer churn.

### Pope John Senior High and Minor Seminary

General Science Certificate (WASCE Certificate)

September 2015

## Technical Skills

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- Data Analysis – Excel, Tableau, R, Data Visualization, Python
- Machine Learning – Python, Scikit Learn, Flask, Postman, PCA, Clustering, Outlier Detection
- Front-End & Backend Development – HTML, CSS, Django, JavaScript, PyScript, Git, WordPress, Figma, Wix, Heroku
- IT Technical Support
- Research Analysis

## Professional Experience

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### FloodGates Ltd

Accra, Ghana.

Software Engineer (Remote)

November 2022 – Present

- Lead a team of developers to build the company's startup website
- Implemented several Payment API integration system into Trustur – (company's app)
- Managed the registrations of new clients into Trustur – (company's app)

**Ghana Water Company Ltd**

Koforidua, Ghana.

*Data Analyst / Commercial Assistant (Internship)*

September 2021 – December 2021

- Improved efficiency and effectiveness of the water treatment process through a water treatment project
- Designed an optimized record keeping system for the office to maximize efficiency.
- Assisted in the distribution of water bills to customers.
- Analyzed monthly reports using advanced Excel spreadsheet functions.

**King Jesus School**

Koforidua, Ghana.

*Basic School Teacher (Volunteer)*

January 2023 – April 2023

- Information Technology Tutor and IT lab Consultant
- Grade Six and Mathematics Tutor

**Freelancer***Data Science Research Consultant*

January 2020 - Present

- Data Science Blogger with research article - <https://link.medium.com/gBG97o7NZwb>
- Data Science Research Consultant
- Conducted financial projection research for Intrepid Marketing Solutions, a digital marketing startup company in Maryland

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**Personal Projects and Research Work**

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**Bank Churn Prediction Model***Final Year Research (89% - Score)*

June 2022 – September 2022

A comparative analysis of classification models in predicting churn in the banking sector, designed from a banking dataset to predict the probability at which a customer will leave the bank with an accuracy of 87%.

**Personal Project Research Work**

August 2022 – Present

- Developed a Random Forest model able to detect the early stages of diabetes with an accuracy of 83%
- Conducted an in-depth analysis of the Maryland crime database from 2017 – 2022 using EDA
- A Logistic regression model to predict costumers' approval of San Francisco airport (SFO) based on 2012 passenger survey data
- AirBnB House Pricing prediction model
- Boston House Pricing prediction model with XGBOOST: 91% accuracy
- Costumer Segmentation using K-Means Clustering

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**Certifications**

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|---|---------------|
| • AWS Machine Learning Foundations 2022; Udacity                    | NOVEMBER 2022 |
| • IBM Python for Data Science Certification                         | MAY 2022      |
| • Machine Learning A-Z™: Hands-On Python & R In Data Science; Udemy | JANUARY 2022  |
| • Data Science and Artificial Intelligence; Shape AI                | NOVEMBER 2021 |
| • Machine Learning A-Z™: Hands-On Python & R In Data Science; Udemy | JANUARY 2022  |