David Nartey

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PERSONAL PROFILE

A highly motivated data science professional with a strong background in machine learning classification. Skilled in statistical analysis, data visualization, and programming languages such as Python and R. Possess a good understanding of supervised and unsupervised learning methodologies. Proven track record of delivering accurate, high-performing models and eager to continue learning and growing in the field.

EDUCATION

September 2018– September 2022

Kwame Nkrumah University of Science and Technology

Programme: Bsc. Statistics

Academic Standing: Second Class Upper

GPA: 3.67 / 4 (WES)
Last 60 credits: 3.76 / 4.00 (WES)

Relevant courses: Applied Time Series, Stochastic Process Mathematical Programming, Regression Analysis, Multivariate Data Analysis, Statistical Quality Control, Operation Research, Introduction to Bayesian Analysis

September 2015 – June 2018

Pope John Senior High and Minor Seminary, Koforidua

Programme: General Science

Certificate: WASCE Certificate

April 2012 – June 2015

King Jesus Junior High School, Koforidua

Programme: Junior High

Certificate: BECE Certificate

WORK EXPERIENCE

September 2021 – December 2021   **Intern, Ghana Water Company Ltd, New Juaben.**

- Worked on a water treatment project, helping to improve the efficiency and effectiveness of the treatment process
- Designed an optimized record keeping system for office to maximize efficiency.
- Helped in the distribution of water bills to customers
- Produced monthly reports using advanced Excel spreadsheet functions.

November 2022 – Present   **Software Engineer, FloodGates Ltd, Accra (Remote)**

- Head a team of developers to design company start-up website
- Worked on WingiPay API Integration with Django.
- Worked on FlutterWave API Integration with Django.

February 2023 – Present   **Teacher, King Jesus School Koforidua, Accra**

- IT Teacher and IT Lab Consultant

January 2020 – Present   **Freelancer, Entrepreneur**

- Data Science Blogger with research article - https://link.medium.com/gBG97o7NZwb
- Data Science Research Consultant

SKILLS

Technical Skills

- **Data Analysis** – *Excel, Tableau, R, Data Visualisation*

- **Machine Learning** – *Python, Scikit Learn, Flask, PostMan, Classification, PCA, Clustering*

- **Front-End & Backend Dev.** – *Html, CSS, Django, JavaScript, PyScript, Git, WordPress*

- **Cloud** - *Heroku*

- **IT Technical Support**

- **Research**

Soft Skills

- Problem Solving   - Good Communication   - Presentation

- Detailed Oriented   - Fast Learner   - Tech Savvy

RESEARCH & PERSONAL PROJECTS

Final Year Research (89% - Score):   Bank Churn Prediction Model   June 2022 – September 2022

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

Freelance Research work: August 2022 – Present

- A Random Forest model which is able to detect the early stages of diabetes with accuracy of 83%.
- An in-depth analysis on 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

Personal Projects work: November 2021 – Present

- AirBnB House Pricing prediction model
- Boston House Pricing prediction model with XGBOOST: 91% accuracy
- Costumer Segmentation using K-Means Clustering

RESEARCH INTERESTS

- Using Machine Learning to predict pipe burst in water pipeline systems
- In-depth analysis on Recommender Engine
- Deep Learning and Big Data

CERTIFICATIONS

NOVEMBER 2022   AWS Machine Learning Foundations 2022; Udacity

MAY 2022   IBM Python for Data Science Certification

JANUARY 2022   Machine Learning A-Z™: Hands-On Python & R In Data Science; Udemy

MAY 2020   Generate and visualize data in Python and MATLAB; Udemy

APRIL 2020   Excel Analytics: Linear Regression Analysis in MS Excel

APRIL 2020   Zero to Hero in Microsoft Excel: Complete Excel guide 2020

OCTOBER 2021   Web Development with Bootstrap; Shape AI

NOVEMBER 2021   Data Science and Artificial Intelligence; Shape AI

REFERENCES

1. PROFESSOR GABRIEL ASARE OKYERE	2. Mr. Robert Kwabla Ametepe
LECTURER	COMERCIAL MANAGER
DEPARTMENT OF STATISTICS & ACTUARIAL SCIENCE	GHANA WATER COMPANY Ltd
COLLEGE OF SCIENCE	COMERCIAL DEPARTMENT
KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY	
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