

SAMUEL ABLORDEPPEY

Full Stack Developer | Data Scientist

Kumasi, Ghana

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Social Links: [LinkedIn](#) [GitHub](#) [Portfolio](#)

Summary

I have 2 years of experience building responsive websites with React and the MERN stack, while also applying data analysis skills using Excel, Python, and R. I focus on creating user-friendly and data-driven solutions. I enjoy solving problems, working efficiently, and sharing what I've learned.

I'm looking to grow in roles where I can combine my web development and data analysis skills to help teams make better decisions and deliver great products.

Education

Kwame Nkrumah University of Science and Technology	Jan 2021 – Nov 2024
Bachelor's degree in Statistics	Kumasi, Ghana
St Peter's Senior High School	Sept 2016 – Nov 2019
High School Diploma (Baccalaureate) in General Science	Nkwatia, Ghana

Work Experience

KNUST Directorate of Student Affairs	2024 - Present
National Service Personnel	Kumasi, Ghana
<ul style="list-style-type: none">Analyzed student data to support administrative decision-making.Assisted with data management and reporting to improve service efficiency.Applied statistical tools to uncover insights that shaped student support strategies.	
Final Year Thesis — Stock Price Prediction of GOIL Super XP	2023 – 2024
Undergraduate Research Project	Kumasi, Ghana
<ul style="list-style-type: none">Designed and evaluated a stock price prediction model using statistical and machine learning techniques.Provided data-driven insights to support investment and forecasting decisions.	

Freelance Data Analyst

2022 – Present

Personal Projects

Remote

- Built predictive models for heart disease using logistic regression and decision trees.
- Forecasted MTN stock prices and analyzed market volatility to guide investment strategies.
- Conducted breast cancer prediction using logistic regression to support early diagnosis.
- Compared normality tests for time series data through simulation, improving time series analysis accuracy.

NUPS-G WebTeam

2022 – 2024

Web and Graphic Design Team Member

Kumasi, Ghana

- Developed and maintained the official website using PHP and Laravel.
- Collaborated closely with team members to design a user-friendly interface and optimize site performance.
- Implemented responsive design, ensuring seamless access across devices.
- Organized and led coding workshops to teach web development skills to students and beginners.

Dunkwa Government Hospital

2022 & 2023

Records Department Intern

Dunkwa, Ghana

- Supported the management of patient records, ensuring accurate documentation.
- Improved record filing systems for better organization and accessibility.
- Contributed to maintaining confidentiality and smooth data retrieval processes.

Web Development Projects

Purdue Scholars College Website | React, Bootstrap CSS

<https://jhayphix.github.io/psc-react-version/>

- Developed a responsive web presence for Purdue Scholars College using React and Bootstrap.
- Focused on clean UI/UX and mobile optimization to enhance accessibility and user interaction.
- Collaborated with the client to ensure features aligned with academic and branding goals.

Weather Prediction Website | React, Bootstrap CSS, OpenWeather API

<https://jhayphix.github.io/jhay-weather/>

- Created a weather forecast application using the OpenWeather API for real-time data.
- Included dynamic search, clean layouts, and responsive design for various devices.
- Developed as a personal project to highlight API integration and user-focused UI.

Data Analysis Projects

Heart Disease Prediction Model | Python, Pandas, Scikit-learn

- Built predictive models using logistic regression and decision trees for heart disease risk analysis.
- Evaluated model accuracy and sensitivity to support medical research and early detection.

MTN Stock Forecasting | Python, Time Series Analysis, ARIMA

- Forecasted MTN stock prices and analyzed volatility trends to support investment decision-making.
- Applied time series models to derive short-term insights on market movements.

Breast Cancer Prediction | R (caret, glm, pROC), Logistic Regression

- Developed a binary classification model to predict breast cancer from medical datasets.
- Focused on improving sensitivity and reducing false negatives in diagnosis.

Time Series Normality Simulation Study | R (tseries, nortest)

- Conducted a comparative study of normality tests applied to time series data.
- Used simulations to evaluate test performance and recommend best practices for analysis accuracy.

Technical Skills

Web Development: HTML, CSS, JavaScript, React.js, Bootstrap, Tailwind CSS, PHP, Laravel

Backend & Databases: Node.js, Express, MongoDB, MySQL, Firebase, Sanity CMS, APIs, Databases

Data Science & Analytics: Python, R, Pandas, NumPy, Matplotlib, Excel, Tableau, Power BI, SPSS, Stata

Tools & Platforms: Figma, Canva, LaTeX, Git & Version Control

Core Concepts: Data Visualization, Statistical Modeling, Time Series Analysis, Exploratory Data Analysis (EDA), REST APIs, CRUD Operations, Authentication

Languages

- English
- Twi - Native

References

- Available upon request