**Samuel Fasanya**

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[LinkedIn Profile](#) | [GitHub Profile](#) | [Portfolio Website](#)

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## Professional Summary

Versatile and highly skilled Full Stack Web Developer with a robust background in Data Mining and Data Science. Proven expertise in developing dynamic, user-friendly web applications and leveraging data-driven insights to enhance business decision-making. Adept at working with cross-functional teams to deliver innovative solutions that meet organizational objectives.

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## Skills

- **Programming Languages:** Python, JavaScript, SQL, R
- **Web Development:** HTML, CSS, JavaScript, React, Angular, Node.js, Express.js
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Data Science & Analysis:** Machine Learning, Data Visualization, Statistical Analysis, Data Mining, Big Data
- **Tools & Technologies:** Git, Docker, AWS, RESTful APIs, TensorFlow, Pandas, NumPy, Matplotlib
- **Soft Skills:** Problem-Solving, Team Collaboration, Project Management, Communication

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## Professional Experience

### Full Stack Web Developer
Enerscend Limited, Lagos, Nigeria | January 2024 – Present

- Develop and maintain web applications using React, Node.js, and MongoDB.
- Collaborate with designers, product managers, and other developers to create user-friendly interfaces and improve user experience.
- Implement RESTful APIs and integrate third-party services to enhance application functionality.
- Ensure code quality and maintainability by adhering to best practices and performing code reviews.
- Deploy applications to cloud platforms such as AWS, and monitor performance and security.

**Lead Developer** (Volunteer Work)
**Fash Empowerment Foundation**, Lagos, Nigeria | April 2023 – December 2023

- Led a team of developers to create a robust fundraising platform.
- Increased the company's online popularity and fund-sourcing by 30%.
- Utilized technologies such as WordPress, and JavaScript to ensure a scalable and user-friendly platform.
- Implemented secure payment processing and user authentication to protect donor information.

**Data Scientist / Data Miner**
Rotec Engineering, Lagos, Nigeria. | December 2021 – February 2023

- Conducted data analysis and mining to uncover insights and drive business strategy.
- Developed predictive models and machine learning algorithms to solve complex business problems.
- Created data visualizations and reports to communicate findings to stakeholders.
- Worked with large datasets using SQL, Python, and R to clean, transform, and analyze data.
- Collaborated with cross-functional teams to integrate data-driven insights into decision-making processes.

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**Education**

**Bachelor of Science in Mechanical Engineering**
Bell University of Technology, Ogun, Nigeria | 2019

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**Short Courses (1-3 months)**

- Deep learning applications for computer vision, University of Colorado at Boulder
- first principles of computer vision, Columbia University
- Machine Learning Specialization, Stanford University
- statistics with python, University of Michigan
- SQL for data science, University of California, Davis
- python for everybody, University of Michigan
- Complete Web development Bootcamp, App Brewery
- Web development, Google WebDevLearn
- Ultimate Aws Solutions Architect, Udemy.

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# Projects

## Company Website with Staff Login

- **Description:** Created a responsive and user-friendly platform for employees to access important internal resources securely and efficiently.
- **Technologies Used:** React, Node.js, MongoDB, JWT, AWS, Git.
- **Outcome:** Streamlined access to information and resources, reducing the time spent on administrative tasks by 20%.

## Charity Website with Donation and Volunteer Entries

- **Description:** Developed a comprehensive charity website featuring donation and volunteer entry forms with secure payment processing via Paystack and Flutterwave.
- **Technologies Used:** WordPress, JavaScript.
- **Outcome:** Facilitated easy volunteer sign-ups and improved the management of volunteer data, enhancing the foundation's operational efficiency.

## $CO_2$ Emissions Prediction Model

- **Description:** Developed a predictive model to estimate $CO_2$ emissions from various machines and devices used within the company, enabling efficient and informed decision-making to reduce the carbon footprint.
- **Technologies Used:** Python, TensorFlow, SQL, Docker, GitHub.
- **Outcome:** Identified high-emission activities and suggested operational changes, contributing to the company's sustainability goals and achieving a 15% reduction in waste production rate.

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# References

Available upon request.