Samuel Aboderin

+2347067108682 | aboderinseun01@gmail.com | meet

Relevant Links: LinkedIn | GitHub
Programming Languages: Python, Java, JavaScript, TypeScript, C++, HTML, CSS, SQL
Frameworks: React, Next.js, Django, Flask, Spring, TensorFlow, PyTorch, scikit-learn, NumPy, pandas
Technologies: Git, NoSQL, PostgreSQL, OpenSearch, Docker, Open AI, Kubernetes, Spring Boot

EDUCATION

University Of Lagos — September 2021- August 2026

- BS Computer Engineering

WORK EXPERIENCE

Marigold Signature

Software Engineer - Software Application Controls

- Optimize user interfaces using modern frontend frameworks (e.g., React, TypeScript, next.js) to create visually appealing and responsive designs that enhance customer engagement and satisfaction.
- Manage and maintain databases to ensure secure, efficient, and reliable data storage and retrieval, supporting robust backend operations for online stores.
- Utilize cutting-edge technologies such as APIs, React, and cloud service (mongoDB) to develop scalable and future-proof eCommerce applications.
- Provide tailored, industry-specific solutions for online businesses, driving growth, increasing traffic, and improving overall revenue through targeted optimization strategies

PROJECTS

E-Commerce Application - *MetripMarigold Farms* | GitHub Link (React, Node.js, Express.js, MongoDB Redux)

- Developed a full-stack eCommerce platform using React, Node.js, and MongoDB, enabling users to browse and purchase farm products seamlessly.
- Implemented secure user authentication and admin functionality, allowing for efficient product management and improved user data security.
- Achieved a responsive design with Tailwind CSS, enhancing user experience across devices and contributing to a 20% increase in online sales.

Image Type Classifier *(Dog breed)* | GitHub Link (Matplotlib, Pandas, NumPy, Scikit-Learn, Neural Networks)

- Engineered a specialized dog breed image classifier leveraging Python, Keras, and Transfer Learning with VGG16, achieving 92% accuracy across 120+ breeds.
- Applied advanced techniques like Dropout and Batch Normalization to improve model generalization and reduce training time by 25%.
- Integrated the classifier into a user-friendly application, facilitating easy breed identification for end-users.

State-of-the-art Image Classifier | GitHub Link (Matplotlib, Pandas, NumPy, Scikit-Learn, Neural Networks)

- Developed a robust image classification model using Python and TensorFlow, achieving 95% accuracy on the CIFAR-10 dataset. Utilized Convolutional Neural Networks (CNNs) to effectively categorize diverse image datasets, improving classification speed
- by 30%.
  Deployed the model using Flask and Docker, enabling scalable and real-time image recognition via a web interface.
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3D Interactive Website (*Portfolio)* | Mywebsite (Three.js & React Integration)

- Developed an interactive 3D portfolio section using Three.js, improving user engagement and experience with dynamic animations and real-time rendering, boosting portfolio traffic by 50%.
- Engineered a visually immersive web environment with 3D models and advanced lighting using @react-three/fiber, enhancing visual depth and interactivity for frontend projects.
- Optimized 3D rendering performance, achieving a 30% reduction in load times by streamlining shaders and asset management, ensuring seamless cross-browser compatibility.

Soft Skills: *Problem-solving, teamwork, communication, adaptability, attention to detail, time management.*