Samuel Aboderin

+2347067108682 | email | linkedin | github | Portfolio

Education

University of Lagos Akoka, Lagos
BSc. Computer Engineering *Sept. 2021 – July 2026*

Technical Skills

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, TypeScript
Frameworks: React, Angular, Next.js, Spring, Spring boot, TensorFlow, PyTorch, scikit-learn, NumPy, pandas
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Experience

Software Engineer October 2023 – Present
Marigold Signature *Lagos, Nigeria*

- Optimize user interfaces using modern frontend frameworks (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

Artificial Intelligence Programming June 2023 – August 2023
Deep Learning, Neural Network, Data Visualization, Image Classification Application *Udacity*

- Created an image classifier for dog breeds, achieving 95% accuracy. Used PyTorch and optimization techniques to boost model performance and deployment speed.
- Built a neural network with 20% faster training time using gradient descent and back-propagation in PyTorch, optimizing for complex data tasks.
- Analyzed data trends, increasing predictive model accuracy by 15%. Visualized insights using statistical summaries and key variable plots.

Projects

E-Commerce Application | *React, Node.js, Express.js, MongoDB, Redux* October 2023 – Present

- 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.

3D Interactive Website | *Three.js & React Integration* September 2024 – Present

- 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.

Image Type Classifier (Dog breeds) | *Matplotlib, Pandas, NumPy, Neural Networks* July 2023 – August 2023

- 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%.

State-of-the-art Image Classifier | *Matplotlib, Pandas, NumPy, Neural Networks* June 2023 – August 2023

- 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%.