**Silas Okanlawon**

**Email:** Silasokanla2006@gmail.com | **Portfolio:** [silas-portfolio-liard.vercel.app](https://silas-portfolio-liard.vercel.app)

### ****Objective****

Innovative full-stack developer, data scientist, and machine learning practitioner specializing in building scalable applications and delivering data-driven solutions. Expertise in web development, machine learning, and automation, with a proven ability to enhance efficiency, optimize processes, and drive impactful results for diverse industries.

### ****Technical Skills****

#### ****Web Development****

* **Front-End:** React.js, Next.js, Tailwind CSS, JavaScript, HTML, CSS
* **Back-End:** Flask (Python), REST APIs, Solidity (Blockchain Development)

#### ****Data Science & Machine Learning****

* **Data Cleaning:** Feature engineering, handling missing data (Pandas, NumPy)
* **Visualization:** Matplotlib, Seaborn, Plotly (dashboards)
* **Machine Learning:** Regression, classification, and time-series forecasting (Scikit-learn, TensorFlow, Keras)
* **Natural Language Processing:** Sentiment analysis, language modeling (spaCy, NLTK, Hugging Face)

#### ****Automation & Tools****

* **Automation:** Browser automation (Selenium), Python scripting
* **Databases:** SQL, MongoDB
* **Multimedia Processing:** OpenCV (image/video manipulation)

### ****Professional Certifications****

* **Google Data Analytics Professional Certificate:** Advanced data cleaning, SQL, and Python-based analytics.
* **IBM Data Science Professional Certificate:** Machine learning and data visualization.
* **Python Automation and Web Scraping:** Proficient in Selenium and data extraction.
* **Meta Full-Stack Web Development Certificate:** Comprehensive training in front-end and back-end technologies.

### ****Professional Experience****

#### ****Freelance Full-Stack Developer**** (Remote)

Jan 2022 – Present

* Delivered 15+ interactive web applications using React.js and Next.js, enhancing user engagement by 30%.
* Integrated back-end services with Flask, achieving seamless API communication and reducing load times by 20%.
* Optimized websites for performance, increasing average page speed scores by 40%.

#### ****Data Processing and Automation Specialist**** (Remote)

Jul 2021 – Dec 2021

* Built data automation tools that reduced manual processing time by 50%, improving efficiency across projects.
* Designed and deployed real-time notification systems, boosting operational responsiveness by 25%.
* Automated workflows using Python, saving clients an average of 15 work hours weekly.

### ****Key Projects****

#### ****Machine Learning and Data Science****

1. **Customer Sentiment Analysis Tool**
   * Built a Python-based system to analyze customer feedback, improving retention strategies and identifying trends.
   * **Impact:** Enhanced customer satisfaction ratings by 20%.
2. **Interactive Business Analytics Dashboard**
   * Developed dashboards visualizing sales trends and metrics using Plotly and Flask.
   * **Impact:** Provided actionable insights, increasing operational efficiency by 15%.
3. **House Price Prediction Model**
   * Designed a regression model for property price estimation with 90% prediction accuracy.
   * **Impact:** Assisted clients in setting competitive market prices.
4. **Stock Price Forecasting with LSTM**
   * Implemented a time-series forecasting model using TensorFlow.
   * **Impact:** Improved investment decision-making accuracy by 25%.

**Web Development and Automation**

1. **Automatic Plant Watering System**
   * Developed an IoT-based system to automate plant watering using sensors to monitor soil moisture levels.
   * **Impact:** Reduced water wastage by 35% and enhanced plant care efficiency for users.
2. **Automated Court Reservation System**
   * Designed a Selenium-based script to manage court bookings, reducing booking errors by 80%.
   * **Impact:** Streamlined club operations for increased efficiency.
3. **Stock Price Notifier**
   * Automated real-time stock tracking with API integrations, alerting users via email.
   * **Impact:** Increased user engagement with timely, actionable updates.
4. **Gym Management Application**  
   o Built a comprehensive app featuring workout tracking, class scheduling, and personalized fitness plans.  
   o **Impact:** Improved user engagement and streamlined operations for gyms and fitness trainers.

### ****Education****

**Bachelor of Science in Computer Science**

**Notable Projects:** Predictive modeling for e-commerce, task automation for business processes, and web application development.