**SILAS OKANLAWON**  
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### ****Objective****

Innovative **Full-Stack Developer, Data Scientist, and Machine Learning Practitioner** with expertise in web development, automation, and AI-driven solutions. Passionate about **solving complex problems** through data analytics, predictive modeling, and efficient software solutions.

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

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

✅ **Front-End:** React.js, Next.js, Tailwind CSS, JavaScript, HTML, CSS  
✅ **Back-End:** Firebase, Flask (Python), REST APIs, FastAPI  
✅ **Performance Optimization:** Code-splitting, Lazy Loading, API Caching

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

✅ **Data Processing:** Feature Engineering, Data Cleaning (Pandas, NumPy, SQL)  
✅ **Visualization:** Matplotlib, Seaborn, Plotly (Dashboards)  
✅ **Machine Learning:** Regression, Classification, Time-Series Forecasting (Scikit-learn, TensorFlow, Keras)  
✅ **Deep Learning:** Neural Networks, LSTMs, CNNs, Transformers  
✅ **Natural Language Processing:** Sentiment Analysis, Text Classification (spaCy, NLTK, Hugging Face)

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

✅ **Automation:** Web Scraping, Browser Automation (Selenium, BeautifulSoup)  
✅ **Databases:** SQL, MongoDB, Firebase  
✅ **Multimedia Processing:** OpenCV (Image/Video Manipulation)  
✅ **DevOps & Deployment:** Git, Docker, GitHub Actions

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

* **Google Data Analytics Professional Certificate** – Data Cleaning, SQL, Python-based Analytics
* **IBM Data Science Professional Certificate** – Machine Learning, Data Visualization
* **Python Automation & 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 (Freelance)****

* Developed **15+ interactive web applications** using React.js and Next.js, improving user engagement by **30%**.
* Integrated Flask backends with real-time data APIs, reducing response times by **20%**.
* Optimized website performance, increasing page speed scores by **40%**.

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

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

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

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

✅ **Neural Network Prediction Model**  
• Built a **deep learning model** using TensorFlow/Keras to predict financial market trends.  
• **Impact:** Increased prediction accuracy by **30%**, aiding investment strategies.

✅ **Customer Sentiment Analysis Tool**  
• Developed an **NLP-powered model** to analyze customer feedback, helping businesses identify trends and improve retention strategies.  
• **Impact:** Increased customer satisfaction ratings by **20%**.

✅ **Interactive Business Analytics Dashboard**  
• Built **real-time dashboards** for sales trends using Plotly and Flask.  
• **Impact:** Provided actionable insights, improving operational efficiency by **15%**.

✅ **House Price Prediction Model**  
• Developed a **regression-based pricing model** with **90% accuracy** to assist real estate firms in property valuation.  
• **Impact:** Helped clients set competitive market prices with data-driven insights.

✅ **Stock Price Forecasting with LSTM**  
• Implemented a **time-series forecasting model** using TensorFlow.  
• **Impact:** Improved investment decision-making accuracy by **25%**.

#### ****Web Development & Automation****

✅ **Weather Forecast Web Application**  
• Built a **responsive weather forecast application** using Next.js and API integration.  
• **Impact:** Provided real-time weather updates, improving accessibility for users.

✅ **Gym Management Application**  
• Developed a comprehensive **fitness tracking app** with workout logging, class scheduling, and personalized plans.  
• **Impact:** Streamlined fitness management and enhanced user experience for trainers and gym-goers.

✅ **Automated Court Reservation System (Selenium-based automation project)**  
• Designed a **Python script** that automates court booking reservations, reducing manual errors by **80%**.  
• **Impact:** Streamlined booking operations, improving efficiency for users.

✅ **Stock Price Notifier (Real-time stock tracking & alerts)**  
• Built a **stock tracking system** that fetches real-time prices and alerts users via email notifications.  
• **Impact:** Improved user engagement and financial decision-making.

✅ **Data Visualization Dashboard**  
• Constructed an **interactive data visualization dashboard** with charts, tables, and summaries for real-time business insights and analytics.  
• **Impact:** Helped businesses identify key performance trends and make data-driven decisions.

✅ **Automated Plant Watering System (IoT-based project)**  
• Developed a **sensor-driven system** for automated plant watering based on soil moisture levels.  
• **Impact:** Reduced water wastage by **35%** and improved plant care efficiency.

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

### 📚 **Bachelor of Science in Computer Science – University of Ibadan** • **Notable Projects:** Predictive Modeling for E-commerce, Automation Tools for Business Processes, Web Application Development