

Joshua Ability

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Professional Summary

Data Scientist and Analyst with 3+ years of experience in machine learning, analytics, and instructional leadership. Currently leading data-driven projects and mentoring aspiring data professionals at Albertnelly Digital Services. Skilled at simplifying complex technical concepts for diverse learners, designing outcome-driven learning experiences, and delivering impactful coaching that empowers learners to apply real-world data solutions. Proven ability to build predictive models with python, streamline data pipelines, and drive business intelligence through cloud technologies (AWS, GCP, Azure), SQL, and visualization tools like Power BI and Tableau. Passionate about combining technical expertise with people development to shape future business leaders in high-growth environments.

Technical Skills

Programming & Scripting: Python, JavaScript (ES6+), HTML, CSS, SQL, Bash

Frameworks & Libraries: Django, React, Node.js, Express.js, Tailwind CSS, Bootstrap, DRF

Machine Learning: scikit-learn, XGBoost, Prophet, TensorFlow, Keras, OpenAI GPT, Transformers (HuggingFace), NLTK, spaCy, LSTM

Data Analytics & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Streamlit

Tools & Platforms: Git, Docker, Heroku, MetaTrader 4/5, VS Code, Jupyter, Postman, Firebase

Databases: PostgreSQL, MySQL, SQLite, MongoDB

Soft Skills: Problem-solving, Collaboration, Communication, Time Management, Adaptability

Professional Experience

AI/ML Engineer

Albertnelly Digital Services | Remote | Mar 2024 – Present

Industry: Digital Solutions, AI Integration, Business Automation

- Designed and deployed end-to-end machine learning systems for SME clients in Nigeria, delivering business optimization through predictive analytics and automation.
- Developed a Generative AI-based content engine using OpenAI's GPT models for client marketing teams to auto-generate promotional materials, reducing manual workload by 60%.
- Built forecasting models using time-series algorithms (ARIMA, Prophet) to predict trends in product sales, enabling data-driven inventory planning and pricing strategies.
- Engineered NLP pipelines for sentiment analysis using spaCy and Transformers, improving customer service efficiency.
- Created real-time data dashboards using Power BI and Tableau integrated with PostgreSQL and REST APIs.
- Led internal workshops on ML Ops, GitHub collaboration, and Python-based pipelines.

Data Science Intern

DevelopersHub Cooperation | Remote | Jan 2025 – Apr 2025

Industry: Tech Education, Data Analytics Solutions

- Conducted data wrangling, EDA, and preprocessing on large structured/unstructured datasets using Pandas and NumPy.
- Applied unsupervised learning techniques (KMeans, DBSCAN) to identify customer clusters and behavior patterns.
- Built classification and regression models (Random Forest, Logistic Regression, XGBoost) for churn prediction and pricing strategies.
- Developed interactive dashboards using Streamlit and Tableau.
- Delivered technical documentation and presented results to stakeholders.

AI Engineer (Contract)

Forex Portal Academy | Remote | Sep 2024 – Jan 2025

Industry: FinTech, Algorithmic Trading

- Built a Forex prediction system using MetaTrader APIs, technical indicators (MACD, RSI, Bollinger Bands), and Python-based models.

- Developed LSTM and Prophet-based forecasting models achieving up to 85% directional accuracy.
- Created a FastAPI architecture to serve predictions through REST APIs.
- Integrated Telegram bots for real-time trade alerts and signal distribution.
- Documented logic for transparency, implemented fault tolerance and secure deployment practices.

Full-Stack Developer (Freelance)

Real-Estate Tech Startup Project | Remote | Jul 2024 – Oct 2024

Industry: PropTech, Web Platform Development

- Developed a real estate listing and analytics platform with Django backend and React frontend.
- Built a property price prediction model using Linear Regression and Random Forest.
- Designed and deployed secure APIs for user management and dashboard operations using DRF.
- Implemented JWT-based authentication and PostgreSQL database schema.
- Deployed platform on Heroku with Docker containerization.
- Collaborated with UI/UX designers for responsive interfaces using Tailwind CSS.

Education

B.Sc., Mechanical Engineering

University of Benin, Nigeria

B.Sc., Computer Science

University of the People, USA (Online)

Certificate, Data Science

WorldQuant University, USA (Remote)

Certifications

- Generative AI – Udacity
- Data Analysis – Gritin AI
- Python and Machine Learning – NUESA
- Python Essentials 2 – Cisco Networking Academy
- The Complete Web Developer Course 2.0 – Udemy

Project Highlights

- **Medical Chatbot:** Developed a GPT-powered medical assistant trained on validated health data to assist users with preliminary symptom checks and health inquiries.
- **Forex Bot:** Engineered a trading bot integrating MetaTrader with AI signal generation and real-time notification via Telegram.
- **Realtor Matching System:** Built an ML-based matching algorithm connecting realtors to interested clients based on location and listing preferences.

References

Mr. Jeffery Ehizibue, CEO, CisaServe Systems
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