

Joshua Ability

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[LinkedIn](#) | [Portfolio](#)

Objective

I am a passionate **Data Scientist** and **Analyst**, committed to uncovering insights from data, building intelligent models, and solving real-world problems through data-driven solutions. My expertise includes data science, data analytics and visualization, machine learning, and generative AI, with additional skills in web development to bring data projects to life.

Education

Bachelor of Science in Computer Science

University of the People

Bachelor of Engineering in Mechanical Engineering

University of Benin

Data Science

World Quant University | Certificate

Technical Skills

Data Science & Machine Learning

- Python, Pandas, NumPy, Scikit-learn, TensorFlow, Generative AI

Data Analysis

- SQL, Tableau, Power BI, Microsoft Excel

Web Development

- HTML, CSS, JavaScript, React, Django, FastAPI

Software Development Tools

- Git, VS Code, Eclipse
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Experience

Algorithmic Trading Project Collaboration

Collaborator: RPN John Samuel Aigborna | Remote | 2023

- Developed and optimized algorithms for stock price predictions using Python, TensorFlow, and Scikit-learn.
- Preprocessed financial data to improve model accuracy.
- Backtested and evaluated models for enhanced trading strategies.
- Applied statistical and machine learning techniques to minimize trading risks.

Customer Segmentation Analysis Collaboration

Collaborator: Eghosa, Machine Learning Engineer | Remote | 2024

- Cleaned and analyzed customer data using clustering algorithms (K-Means, Hierarchical Clustering).
 - Conducted exploratory data analysis (EDA) and visualized insights with Seaborn and Matplotlib.
 - Presented marketing strategy recommendations based on customer segments.
 - Created a Tableau dashboard for tracking the performance of customer segments.
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Projects

Real Estate Website

- **Tech Stack:** HTML, CSS, JavaScript, Django, PostgreSQL
- Developed a comprehensive real estate platform featuring dynamic property listings, user authentication, and inquiry management.

Housing in Mexico Analysis

- Analyzed 21,000 property records from Properati.com using Python and SQL.
- Explored the influence of property size and location on pricing.
- Presented findings through visualizations and detailed reports.

Real Estate Price Prediction Model

- **Tools:** Python, Scikit-learn, Pandas
- Built a predictive model to estimate property prices based on location and amenities.

- Enhanced model accuracy with grid search and cross-validation.

Forex Trading Bot

- Automated forex trading strategies using MetaTrader and Python.
- Integrated predictive models for optimal trade decisions.

Interactive Data Visualization for Sales Trends

- Created dashboards in Tableau and Power BI to analyze retail sales trends.
- Visualized customer behavior insights through heatmaps, bar charts, and time-series plots.

Certifications

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

References

Mr. Jeffery Ehizibue, CEO, CisaServe Systems

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