

RIDWAN AMOKUN

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EDUCATION

B.Sc. (Hons.) in Mechanical Engineering

University of Lagos, Lagos.

Machine Learning Specialization (Certification)

Stanford University

TECHNICAL SKILLS

<i>Python</i>	<i>Natural Language Processing</i>	<i>Data Analysis</i>	<i>Web scraping (Selenium)</i>	<i>Flask</i>
<i>MongoDB</i>	<i>Matplotlib/Seaborn/Plotly</i>	<i>MicrosoftExcel</i>	<i>TensorFlow</i>	<i>SKLearn</i>
<i>MATLAB</i>	<i>Pandas</i>	<i>Neural Networks</i>	<i>SQL</i>	<i>Tableau</i>
<i>Algorithms</i>	<i>Research</i>	<i>Apache Spark</i>	<i>Jupyter Notebook</i>	<i>R</i>

EXPERIENCE

FREELANCING DATA SCIENTIST | JANUARY 2022 – PRESENT

- I Leveraged diverse Python APIs such as SKlearn, YahooFinance, XGboost, CATBoost and Imblearn to build robust predictive models, enhancing the accuracy and reliability of financial data analysis.
- I applied advanced neural network architectures for anomaly detection models, employing different algorithms to achieve superior performance in predicting market trends and optimizing financial strategies.
- I conducted an in-depth Statistical Analysis of data sets, extracting valuable insights to inform business decisions and improve overall data-driven processes.
- I created interactive dashboards using Flask API, providing stakeholders with real-time access to key performance indicators and facilitating data-driven decision-making. I also developed visually appealing and informative dashboards on Tableau, enabling the seamless communication of complex data patterns and trends to both technical and non-technical audiences.

DATA SCIENTIST | APACE | DECEMBER 2022 – MAY 2023

- I developed and implemented advanced risk models, utilizing machine learning algorithms to assess and mitigate potential risks associated with customer loans in Nigeria.
- I collected, wrangled and prepared data and created features for the building of a loan prediction model for Nigerian customers.
- I analyzed various data and created technical reports unveiling useful information that was key to making data-driven business decisions. This helps organisations to understand the preferences of customers and better attend to their needs improving satisfaction by 20%.
- I developed algorithms to help detect customers' eligibility and also calculate the eligibility of proposed customers by scraping through their bank accounts for scrupulous activities.

COMPETITIVE DATA SCIENTIST | KAGGLE & ZINDI | FEBRUARY 2022 – PRESENT

- I demonstrated my expertise by consistently achieving top rankings in Kaggle and Zindi competitions, showcasing my deep understanding of advanced machine learning techniques and data science methodologies.
- I finished in the top 1 % of the Max IndabaX Nigerian Hackathon hosted on Kaggle during the 2022 IndabaX.
- My team finished 4th of 205 teams in the 2022 CBN eNaira Hackathon. The team built a mobile app that enhances restrictions on the usage of eNaira. This was done after research and a careful study of scholarship disbursement as a use case.

PROJECTS

SENTIMENT ANALYSIS ON NIKE AND ADIDAS CUSTOMER REVIEWS (*skills-Pandas, NLP, Word Cloud, Lexicon-Based Tools, Selenium*) - [link](#)

- I web-scraped Adidas and Nike Websites for 5,500 customer reviews on different sports shoes. I performed data treatment with NLTK and visualised the cleaned data with World Cloud. Sentiment Analysis was performed on the text and the sentiment scores were obtained using Lexicon tools.

NEXT WORD PREDICTOR (*skills- Python, NLP, Pandas, Numpy, TensorFlow, Keras, Neural Network Architecture*) - [link](#)

- I developed a Sequential model capable of predicting words in sequences by experimenting with several neural networks and adopting the optimal one using TensorFlow API. The model was deployed and used for specific cases.

WEB SCRAPING AND BOOKING BOT (*skills- python, Selenium, Selenium Web Drivers*) - [link](#)

- I developed a web scraping bot that can be used to get data on current bookings and prices of different locations in the world.
- I developed a web scraping script that can be used to get customer reviews on products from top sportswear brands.

SOFT & PERSONAL SKILLS

Teamwork, Communication, Problem-solving, Analytical.

CERTIFICATION & EXTRA-CURRICULAR ACTIVITIES

Google Data Analytics Professional – Google - [link](#)

Applied Data Science Workshop -World Quant University - [link](#)