

Aishat Olatunji

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Summary

Results-driven AI and Machine Learning specialist with a strong background in developing and deploying data-driven solutions to optimize processes and drive business outcomes. Proficient in machine learning, natural language processing (NLP), and predictive analytics with hands-on experience in designing scalable AI solutions for supply chain, healthcare, and fraud detection. Adept at leveraging deep learning models to solve complex problems, backed by strong communication and project management skills.

EDUCATION

M.Sc. Computer Science - Artificial Intelligence and Machine Learning

East Tennessee State University (ETSU)

Jan 2022 - Dec 2023

Johnson City, TN, USA

Thesis: Detection and Classification of Diabetics Retinopathy using Deep Learning Models [Link](#)

B.Sc. Statistics

Kwara State University

Sep 2015 - Jun 2019

SKILLS & COURSEWORK

Languages: R, Python, SQL, MATLAB, Java, Pearl, and C#.

Frameworks and Packages: TensorFlow, scikit-learn, Power BI, Tableau, Spark, Azure, AWS, Git

Relevant Coursework: Generative AI, Neural networks, Data structures, Predictive analytics, Statistical ML, Deep Learning, LLM, Natural Language Processing.

WORK EXPERIENCE

Amazon Inc

Area Manager Full Time

Dallas, USA

Sept 2024 – Present

- Manage stowing operations in the pit, ensuring efficiency and seamless product placement while leading and developing associates.
- Developed an automated Excel-based model to streamline daily cost analysis, enabling faster, data-driven decision-making.
- Leverage data insights from bridge reporting to monitor performance trends and improve operational efficiency.

HP INC

Supply Chain Data Scientist Part Time

Texas, USA

Jan 2024– Sept 2024

- Designed and implemented an AI chatbot using LangChain, Retrieval-Augmented Generation, and the ChatGPT-4 model to optimize sales demand predictions and determine product quantities, enhancing team efficiency and customer satisfaction.
- Leveraged machine learning algorithms to analyze large datasets, enabling actionable insights and improving overall supply chain performance.
- Utilized advanced data science techniques to improve predictions and forecasting within HP's supply chain organization, contributing to more efficient operations and decision-making processes.

HP INC

Supply Chain-Data Scientist Intern

Texas, USA

May 2023 – Dec 2023

- Implemented time-series forecasting models to achieve a 90% prediction accuracy in sales demand.
- Developed automated inventory optimization systems using machine learning algorithms.
- Designed three PowerBI dashboards to facilitate data-driven decision-making.

East Tennessee State University

Research Analyst.

Johnson City, TN

Aug 2021 – Apr 2023

- Conducted advanced data analysis on research data and student performance metrics using R and MATLAB.
- Mentored students in R, python, and statistics, enhancing their analytical capabilities.

Nigeria Centre for Disease Control

Data Scientist (Statistician II)

Remote, Nigeria

Jun 2021 – Dec 2021

- Analyzed epidemiological data using Python and R to inform disease prevention strategies. Management
- Built predictive models to forecast outbreaks and enhance intervention planning.
- Communicated findings through data visualization and statistical reports.

Federal Character Commission

Machine Learning Engineer

Abuja, Nigeria
Oct 2020 – May 2021

- Developed an NLP system for automated sentiment analysis of customer reviews.
- Built classification models to categorize reviews, reducing manual efforts by 50%.
- Improved customer engagement through actionable insights.

Fraud Detection Project

- Developed an NLP-based model to detect fraudulent transactions using behavioral patterns and transactional data.
- Reduced false positives by 30% through adaptive thresholding and real time anomaly detection.

Sales Forecasting and Inventory Management

- Built machine learning models to improve inventory planning and optimize sales strategies.
- Achieved significant accuracy improvements (R-squared = 0.665) in sales prediction.

Sentiment Analysis

- Implemented sentiment analysis using python to classify customer reviews as positive, negative, or neutral.
- Extracted valence scores to drive actionable insights for business improvement.

Customer Churn Prediction for T-Mobile:

- Built and deployed ML models to predict Customer churn.
- Conducted exploratory data analysis to identify factors driving customer migration to spectrum, including pricing, service coverage, and promotions.
- Presented findings and recommendations that resulted in a 15% reduction in churn through targeted retention strategies.

Automobile Analysis Using Large Language Models (LLMs):

- Utilized LLMs to analyze vast datasets related to automobile performance, customer feedback, and maintenance records.
- Extracted insights to optimize vehicle maintenance schedules, improve fuel efficiency, and enhance customer satisfaction.
- Automated the generation of performance reports, reducing manual effort and enabling data driven decision-making.

CERTIFICATIONS

- Data Science Certificate UTIVA [Link](#), Scrum Alliance Certificate [Link](#), Microsoft Azure ML Certificate [Link](#)
- Google Data Analytics Professional Certificate [Link](#), Amazon Web Services Cloud Practitioner [Link](#)

AWARDS AND LEADERSHIP

- National Honor in Applied Statistics 2019 [Link](#) , *Collegiate Executive/Treasurer* | NSBE| 2022

PUBLICATION

- "Predictive Modelling of Heart Disease Using Machine Learning Models", Research Gate, 2024.[Link](#)