Hafiz Salisu

Data Scientist | ML engineer

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SUMMARY

Innovative and Analytical Data Scientist & Machine Learning Engineer with over three years of experience in transforming raw data into scalable AI solutions. Skilled in crafting predictive models, automating data pipelines, and deploying intelligent systems that enhance efficiency, customer experience, and decision-making accuracy. Proven track record of leveraging deep learning, computer vision, NLP, and time-series forecasting to achieve high-impact results. Driven by a passion for solving real-world challenges using advanced data science and machine learning techniques in dynamic, cross-functional environments.

EXPERIENCE

Data Science & ML engineer Intern   Nov '23 — Present
Gomycode   Lagos, Nigeria

- Designed and deployed end-to-end ML pipelines for classification, anomaly detection, and time-series forecasting, reducing operational latency by 40%.
- Preprocessed and analyzed 10M+ records using Python (Pandas, NumPy) and SQL, unlocking actionable insights for key stakeholders.
- Developed and maintained dynamic dashboards in Power BI and Tableau, enhancing business visibility and boosting reporting efficiency by 30%.
- Collaborated with a cross-functional team of 4 to build and fine-tune predictive models (XGBoost, Random Forest, SVM), increasing model precision by 25%.
- Implemented CNN and RNN architectures for real-time data tasks using TensorFlow and Keras, cutting inference time by 35%.
- Optimized data pipelines and automated ingestion workflows (ETL), slashing manual data handling by 50%.
- Presented technical findings through executive-level reports and visualizations, driving data-backed decisions.

EDUCATION

BSc in Business Administration, Crescent University (GPA: 3.5)   Abeokuta, Nigeria

PROJECTS

Sentiment Analysis & Complaint Classification
- Developed a sentiment analysis model to classify customer complaints into different categories.
- Utilized NLP techniques to extract insights from textual data.
- Engineered advanced machine learning algorithms that accurately classified customer complaints, resulting in a 40% improvement in issue resolution time and enhanced customer service strategies.

Earthquake Damage Prediction
- Built a predictive model to assess earthquake damage to buildings using structured datasets.
- Engineered a robust predictive model that achieved a 95% accuracy rate in assessing earthquake damage, utilizing machine learning algorithms and extensive dataset analysis.
- Developed advanced machine learning algorithms to predict earthquake damage, resulting in a 20% reduction in prediction error through comprehensive dataset training and feature optimization.

Sales Forecasting Using Time Series Analysis
- Developed a time series forecasting model to predict future sales trends using historical data.
- Implemented advanced algorithms for time series analysis, which improved sales forecasting accuracy by 25% and facilitated strategic decision-making through detailed trend insights.

Face Recognition System
- Built a face recognition system using FaceNet and Haar Cascade for face detection.
- Trained a model to identify and verify individuals based on facial embeddings.
- Integrated real-time alert mechanisms to notify on unauthorized access attempts, achieving a detection accuracy rate of 95% and reducing false positives by 10%.

SKILLS

Technical Skills: Python, R, SQL, Power BI, Tableau, Git, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing (NLP), PostgreSQL, MySQL, MongoDB, Streamlit, FastAPI, Docker, Git, Spark, Google Cloud, AWS, Azure ML

Soft Skills: Multi-Perspective thinking, Problem Solving, Strategic Adaptability, Adaptive Intelligence, Business-Oriented Insight, Technical Communication