Dape Alexander Naanret

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Profile

I am a versatile and analytical Data Scientist with a background in Computer Engineering and a strong ability to solve complex problems using data-driven approaches. I specialize in machine learning, predictive modelling, strategic analysis, and performance evaluation. With a keen eye for extracting insights from complex datasets, I support improved decision-making and communicate results effectively across diverse audiences. I bring a balance of technical depth, critical thinking, and strategic insight to both research and real-world applications.

Education

B.ENG COMPUTER ENGINEERING | FEBRUARY 2025

Federal University of Technology, Minna, Niger State.

Certificates

MACHINE LEARNING WITH PYTHON | FREECODECAMP | 2025
DATA ANALYSIS WITH PYTHON | FREECODECAMP | 2023
DATA ANALYSIS WITH PYTHON | DATACAMP | 2023

Work Experience

ICT SUPPORT STAFF | STRATEGY AND RESULTS DELIVERY OFFICE (SRDO) | OCTOBER 2024 – PRESENT

- Configured and tested new software and hardware.
- Diagnosed and troubleshot hardware, software and network issues.
- Interfaced with MDAs (Ministries, Departments and Agencies) of the state for several functions: Activity data collection and validation, activity verification, and activity progress reporting.
- Cleaned and structured MDA data, and then developed infographics and dashboards based on MDA data.

DATA ANALYST (REMOTE) | JEKAEAT & TOGO LOGISTICS | SEPTEMBER 2023 – PRESENT

- Designed a dashboard to ease data analysis for gathering insights.
- Transaction, Delivery and User activity analysis to aid the team in making decisions on marketing and other areas.

Projects

FREELANCE

- Analyzed and compared five CNN architectures (VGG16, DenseNet121, MobileNetV3, EfficientNetB0, NASNetMobile) for plant disease classification using the PlantVillage dataset, evaluating model performance before and after quantization across accuracy, inference time, and size to identify the most efficient architecture for deployment on low-resource devices.

- Analyzed HIV patient treatment data to uncover trends and common underlying factors. Trained and deployed a model for the prediction of treatment response in HIV patients, predicting both Viral Load and CD4 count of patients.
- Conducted a campus survey and used the data from the survey to perform qualitative and sentimental analysis on students' opinions about factors leading to low performance in school.
- Detection of COVID-19 from Chest X-Rays and CT scans using the dataset developed by researchers of Qatar University (COVID-QU-EX) to finetune VGG16 and ResNet50 with an accuracy of 0.94 and 0.93, respectively.
- Trained an LSTM model on collected stock price data on NVIDIA to predict the next stock price, evaluated its performance, and looked into several optimization algorithms to improve performance.
- Conducted a data-driven analysis on supplier relationship management practices across five manufacturing firms in Abuja, using survey data and logistic regression to evaluate the impact of trust, information sharing, and supplier collaboration on supply chain efficiency, identifying information sharing as the most significant predictor of performance.
- Analyzed historical electricity price data in Germany and applied machine learning models (Linear Regression, Decision Tree, Random Forest, XGBoost) to forecast future prices, comparing model performance using RMSE and MAE to identify the most accurate and reliable forecasting approach.

PERSONAL

- Developed an Intelligent Student Data Analytics System (IISDAS)using Python, CatBoost, and Mistral-7B to automate performance prediction (96.7% accuracy) and enable interactive data exploration via an AI chatbot (RAG) and Streamlit dashboard, reducing manual analysis time and improving educator decision-making.
- Obtained data on quantitative characteristics of several malignant and benign breast tumors, cleaned the data, and trained a random forrest model to predict if a tumor is malignant or benign from the input parameters and deployed the model as a web app.

Skills & Abilities

TECHNICAL SKILLS

- Python: Data science/analytics packages such as pandas, NumPy, SciPy, scikit-learn, TensorFlow, etc., streamlit and gradio for model deployment.
- SQL: Filtering, sorting tables and generating graphs using queries.
- Power BI: Creating resourceful and insightful dashboards and reports.

SOFT SKILLS

- Communication
- Problem Solving
- Time Management
- Decision Making
- Team-Oriented

Languages

- **English**: Very Proficient
- **Hausa**: Moderate