AJAH BENJAMIN

Silverland Estate, Lagos Island. | +234 803 476 5906 | ajahbenjamin1@gmail.com | https://github.com/AJ-Benjamin

As a machine learning engineer with a strong engineering background, I specialize in designing and deploying end-to-end ML systems that solve complex business challenges. My expertise covers the full ML pipeline, from data preprocessing to model deployment, using frameworks like TensorFlow. I excel at translating business needs into efficient, scalable ML solutions and stay current with cutting-edge techniques. I'm eager to apply my technical skills and innovative problem-solving approach to create impactful AI-driven products for your organization.

EDUCATION

Bachelor of Engineering in Mechanical Engineering | University Of Port Harcourt
October, 2024

- Member of Google Developer Student Club (GDSC) | Microsoft Learn Student Ambassador (MLSA)
- Relevant Coursework: Computer programming for Engineers, Technical Writing, Engineering Economics
- CGPA: 4.0

EXPERIENCE

Data Analyst/Control Room Operator Intern | NNPC Gas Infrastructure Company (NGIC) | Lagos
2023 - 2024
I provided comprehensive data services for an oil company supplying gas to Dangote Fertilizer Limited. I Performed data entry, collection, and analysis using Microsoft Excel and industry-specific software. My data analysis ensured uninterrupted daily gas allocation for Dangote Fertilizer, Africa's leading fertilizer producer, contributing to their continued success.

Data Science Classification Project | Credit Card Fraud Detection
https://github.com/AJ-Benjamin/credit_card_fraud_project.git
I developed a machine learning model to detect credit card fraud. Achieved a significant improvement in prediction accuracy from 94% to 99.9% (5.9% increase) through optimized hyperparameter tuning of Logistic Regression and Random Forest classifiers. Feature importance analysis identified "used_pin_number" and "online_order" as crucial factors for fraud detection, providing valuable insights for developing a secured payment infrastructure.

Machine Learning Project | Parkinson Disease Detection
https://github.com/AJ-Benjamin/Parkinson_disease_project.git
I developed and improved the prediction of a machine learning model from 78.1% to 94.8% (over 21% increase) to detect Parkinson disease. Discover attributes/features that are most influential to making prediction. I conducted Exploratory Data Analysis (EDA) and Data Visualization so that non-technical health workers and teammates can understand and extract relevant information easily.

SKILLS

- Python, Javascript
- Pandas, Numpy, Matplotlib, scikit-learn, seaborn
- Git and Github
- Exceptional communication/ Fluent in English
- MLOps/Cloud computing using AWS (in-view)
- SQL