Akpan Itorobong

Email: akpanitoro10@gmail.com | Tel: +447051989803
GitHub: https://github.com/akpanitorobong
LinkedIn: https://www.linkedin.com/in/akpanitorobong/

Personal Profile

A dedicated Data Scientist and Software Engineer with expertise in machine learning, data analysis, and software development. Proficient in Python, SQL, and big data technologies with a strong background in data visualization and predictive modelling. Passionate about leveraging data-driven insights to drive impactful decision-making in financial and technological domains.

Key Skills

Technical Skills

- Programming: Python (Pandas, PySpark), SQL, C#, JavaScript, HTML, CSS
- Data Science & Machine Learning: Supervised & Unsupervised Learning, Data Preprocessing, Feature Engineering
- Big Data & Cloud: PySpark, Tableau, AWS/Azure
- Data Visualization: Tableau, Matplotlib, Seaborn
- Software Development: ASP.NET MVC, API Integration
- Database Management: SQL, PostgreSQL

Soft Skills

- Problem-Solving | Critical Thinking | Adaptability
- Communication | Team Collaboration | Leadership
- Attention to Detail | Strong Work Ethic

Work Experience

Junior Frontend Developer

Freelance (Dec 2023 – Sep 2024)
- Built and maintained user interfaces using **HTML, CSS, and JavaScript**.
- Integrated **APIs and backend services** to enhance application functionality.

Junior Software Engineer

Nigerian National Petroleum Corporation – Abuja, Nigeria (Oct 2019 – Mar 2020)
- Designed and implemented **software solutions** using PHP, C#, and Java.
- Developed **data-driven applications**, ensuring efficient data storage and retrieval.
- Enhanced system **performance and user experience** through debugging and optimization.

AI Data Analyst

Appen - Abuja, Nigeria (Sep 2018 – Dec 2022)
- Analysed large-scale **social media data** for credibility and accuracy.
- Provided insights to improve **content quality and engagement**.

IT Support & Systems Technician [Internship]

Nigerian National Petroleum Corporation – Abuja, Nigeria (Sept 2016 – Dec 2016)
- Installed, upgraded, and maintained hardware/software systems
- Provided IT support and network troubleshooting to improve efficiency

Projects

Evaluating Domain Adaptation in Sentiment Analysis

- **NLP project** to research the impact of **temporal changes** on sentiment analysis models.
- Implemented **machine learning models** (Random Forest, Gradient Boosting, SVM, Logistic Regression, Naïve Bayes) for **Twitter sentiment classification**.
- Identified **model degradation trends** and recommended **adaptive learning strategies**.

Global Terrorism Analysis Using Big Data

- Conducted big data analysis using PySpark on the Global Terrorism Database (GTD).
- Applied K-Means clustering to identify regional terrorism hotspots.
- Built interactive Tableau dashboards to visualize attack trends.

Heart Disease Detection Using Machine Learning

- Developed a **comparative analysis** of **SVM, Logistic Regression, Random Forest, and KNN** for heart disease prediction.
- Achieved **86% accuracy** with Logistic Regression, outperforming other models.
- Applied **feature engineering and hyperparameter tuning** to enhance model performance.

Education

Coventry University, Coventry, UK

MSc Data Science and Computational Intelligence | Expected Sep 2025
- Conducted **data analysis and visualization** for business insights.
- Developed and optimized **machine learning models** for data-driven projects.

Baze University, Abuja, Nigeria

BSc Computer Science (Software Engineering Major) | Dec 2018

Certifications

- Front-End Development Mastery
- ACT Awareness & Security E-Learning

References

Available upon request.