ADETONA MAKINDE

Data Analyst & Petroleum Engineer

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About

Highly analytical and results-driven professional with a strong background in Petroleum Engineering and a proven ability to instruct and mentor aspiring Data Analysts. Skilled at turning data into meaningful insights that solve problems, improve processes, and support better learning outcomes. Excited to bring together technical know-how, teaching experience, and teamwork to create real impact in a data-focused role.

Work Experience

Instructor- Data Analytics (Remote)

Firstchecker IT Education

Nov 2024 - Present
Waterloo, Ontario, Canada

Led remote Data Analytics instruction, developing curriculum and evaluating student progress to cultivate skilled professionals.

- Conducted comprehensive lectures and provided tailored guidance to fellows transitioning into Data Analytics, facilitating effective learning.
- Designed and updated course materials, syllabi, and instructional resources to align with current academic standards and industry advancements.
- Created and administered assessments (quizzes, assignments) to evaluate student comprehension and progress, providing constructive feedback for continuous improvement.
- Offered regular office hours and additional support, assisting students with course-related queries and ensuring proper installation of essential tools for class success.
- Incorporated educational technology tools and resources to enhance teaching methods and optimize learning outcomes for diverse student needs.

Instructor- Data Analytics (Hybrid)

Purple Bee Technologies

Apr 2023 – Nov 2025
Ado-Ekiti, Ekiti, Nigeria

Delivered comprehensive Data Analytics instruction, fostering a supportive learning atmosphere and promoting student success.

- Delivered engaging lectures and provided guidance to aspiring Data Analysts, promoting student involvement and creating a supportive learning atmosphere.
- Designed and updated comprehensive course materials, syllabi, and instructional resources to reflect current academic and industry advancements.
- Administered and graded assessments (exams, quizzes, assignments), providing meaningful feedback to measure and improve student understanding and progress.
- Provided extensive student support through regular office hours, addressing inquiries and ensuring proper tool installation for class success.
- Engaged in continuous professional development, attending workshops and seminars to integrate new advancements and improve teaching methodologies.

NYSC   Jul 2021- Jun 2022

Ministry of Power and Petroleum Development, Uyo   Uyo, Akwa-Ibom, Nigeria

- Organized seminars to integrate other ministry staff into petroleum field operations, fostering cross- departmental understanding and collaboration
- Conducted HSE awareness sessions for host communities in drilling areas, promoting safety, environmental responsibility, and stakeholder engagement
- Mentored IT students in the ministry, providing foundational knowledge on petroleum field operations and real-time industry practices

Industrial Trainee   Feb 2018 – Jul 2018

Port Harcourt Refining Company LTD., Port-Harcourt   Eleme, Rivers, Nigeria

- Participated in the dewatering process of crude oil and select finished petroleum products, ensuring product quality and system efficiency
- Monitored the circulation and stock levels of finished products by taking precise measurements to assess availability and usage trends
- Participated in overseeing the transfer and reception of both raw materials and finished products, ensuring compliance with operational procedures and safety standards

Education

Petroleum and Gas Engineering   Jan 2014 - Aug 2019

University of Port-Harcourt, Nigeria   Port-Harcourt, Rivers State, Nigeria

Courses

- Dissertation: The effect of temperature on hydrate inhibitors (methanol & ethylene glycol) in production flow-line

Certificates

Data Science   Data Analysis

ALX Africa   ALX Africa

Projects

Undergraduate Research Project: Effect of Temperature on Hydrate Inhibitors

Conducted in-depth research to analyze the impact of temperature on hydrate inhibitors (methanol & ethylene glycol) in production flow-lines, aiming to prevent hydrate formation and optimize operations.

- Identified the patterns between temperature and the hydrate inhibitors through linear regression (Correlation coefficient and R-squared)
- Confirmed the model accuracy by Sina et al used for this research
- Predicted the volume of hydrate inhibitors needed to be injected to prevent hydrate formation

Research Project: Epidemiological Analysis of Hydrocephalus Surgical Outcomes (ETV vs. VPS)

Conducted a comprehensive analysis of patient-level data comparing endoscopic third ventriculostomy (ETV) and ventriculoperitoneal shunt (VPS) procedures. Performed descriptive epidemiology, stratified outcomes by age, sex, and diagnosis, and evaluated 6- and 12-month success rates. Applied statistical methods (RR, OR, CI) using Excel, and developed data-cleaning protocols and visualizations to support clinical decision-making and publication.

Promotion Exam Data Analysis

Managed the compilation and validation of a dataset of over 216,000 records, overseeing intensive data collection and cleaning processes to ensure accuracy and consistency. Conducted quality checks and anomaly detection, uncovering unusual trends and missing data that improved the reliability and integrity of results for informed decision-making.

Decision Tree Analysis: Identifying key factors influencing economic viability of oil well

Conducted a decision tree analysis on simulated oil & gas reservoir data to identify key drivers of economic viability. Found Water Cut to be the most influential factor, demonstrating the potential of machine learning for reservoir management, while highlighting the need to integrate economic variables for improved accuracy.

Real Estate Web Scraping & ETL Pipeline with Python

Developed a Python-based ETL pipeline to scrape property data from realtor.com using BeautifulSoup, transform it with Pandas and NumPy, and store it via SQLAlchemy for subsequent data analytics.

Automated Sales & Inventory Management in Excel

Built an end-to-end Excel-based sales and inventory management system with automated price retrieval, real-time stock updates, payment tracking, and debt management using functions like VLOOKUP, SUMIF, Data Validation, and Conditional Formatting to enhance accuracy and streamline small business operations.

Data Visualization on Access to Basic Water & Sanitation in Africa

Developed a data visualization project highlighting the severe lack of access to clean water and hygiene in many African regions, using charts and visuals to communicate key sanitation challenges and also revealing that 66% of water collectors and 64% of victims of water-collection related crimes are women.

Lead-to-Sales Performance Visualization & Analysis

Created a data visualization and descriptive analysis project to evaluate marketing-to-sales conversion performance, analyzing KPIs such as win rate, quota attainment, and conversion rate across regions and product categories, and providing actionable insights to improve sales strategies and lead conversion.

Professional Service

3MTT Hackathon Judge
Jan 2024 - Dec 2024

Served as a judge for the 3MTT Hackathon, responsible for evaluating team and project submissions based on predefined criteria to identify top innovations.

References

References available upon request