

MUDIAGA (MUDI) OVUEDE

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🌐 Github: <https://github.com/oviemudiaga> M: <https://medium.com/@ovie.mudi>

EDUCATION

University of Houston

Houston, Texas, USA

Master of Science in Statistics & Data Science (3.9/4.0)

August 2022 – August 2023

Master of Petroleum Engineering (3.63/4.0)

August 2017 – August 2018

Louisiana State University

Baton Rouge, Louisiana, USA

BSc in Petroleum Engineering, Minor in Geology (3.52/4.0) (Dean's List 2013, 2014)

August 2013 – May 2017

HIGHLIGHT / SUMMARY

- I am currently pursuing a Masters in Statistics & Data Science, seeking a Co-op/Internship/Part-time role in Summer 2023 possibly leading to a full-time position after Summer 2023 (Graduation).
- A highly motivated problem solver with a zeal for innovation and creating simple solutions to complex problems.
- I am an easily adaptable and well-rounded team-player, eager to contribute to an organization that values holistic professional growth and development.

SKILLS

Competencies: K-Means Clustering, Supervised Learning (KNN, Random Forest, SVM, Multiple Linear Regression), Dimensionality Reduction (PCA), Information Visualization, Algorithmic Trading with Python, EDA

Relevant Coursework: Completed: Statistical Learning & Data Mining, Linear Models & DOE, Programming Python

In Progress: Applied Statistics & Multivariate Analysis, Information Visualization, Deep Learning & Artificial Neural Networks, Big Data Analytics

Technical: Python, R, MQL4(C), SQL, Excel VBA, Microsoft Office (Word, Excel, PowerPoint, OneNote, MS Project)

RECENT PROJECTS (<https://github.com/Oviemudiaga>)

Financial Modelling & Prediction with Machine Learning

- Performed exploratory data analysis/integration/cleaning using best practices to sort through data to identify key predictors.
- Applied and tuned parameters of SVM algorithm to a set of US stocks with high predictive capability for market direction.

Analytical Well Testing Program

- Developed a robust analytical well testing program in python incorporating a smoothening Bourdet three-point method (Bourdet et al. 1989) algorithm to enable data clean up. This allowed the user to calculate crucial well information after a well test procedure.

Machine Learning Algorithms

- Application of Random Forest classification algorithm to font image data for proper classification.

WORK EXPERIENCE

Elcrest E&P Nigeria Ltd

Lagos, Nigeria

Reservoir Engineer – Development & Operations

November 2019 – July 2022

Responsible for development and sustenance of assets through deployment of analytical tools, production sustenance strategies, production growth and stakeholder management and asset activities.

Key Accomplishments / Projects

- Achieved production restart and continued sustenance in brown field assets (Opuama, Ubima & Gbetiokun).
- Designed and implemented inhouse decline curve analysis database used for production forecasting into company budget and planning. (Excel and Python programming language)
- Led project scoping for methane capture technology in operations.
- Introduced gas generator for field consumption to reduce gas flaring and reduction of greenhouse gas emissions.

Laser Engineering & Resources Consultant Ltd

Lagos, Nigeria

Reservoir Engineer – Reservoir Studies

September 2018 - October 2019

Estimate fluids in place, analyze well production, develop dynamic reservoir models and propose development strategies.