

# Applied AI Curriculum Lead

## CHUKWU JUDE CHUKWUEMEKA

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## PROFILE

Passionate, motivated, enthusiastic, and results-driven Machine Learning Engineer (Intermediate) with a background in Applied Data Science and Mechanical Engineering, currently pursuing an Associate Degree in Software Engineering. Proficient in data manipulation, analysis, and visualization tools including Python, C, SQL, and Excel. Strong foundation in statistical concepts and analytical methodologies. Seeking the position of Applied AI Curriculum Lead at the African Leadership X (ALX) Software Engineering team to leverage my skills and passion for AI, education, and project-based learning to prepare young leaders for the future.

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## EDUCATIONAL QUALIFICATIONS

### Associate Degree in Applied Data Science Lab

WorldQuant University, June 2022 - March 2023

### Bachelor of Engineering

University of Benin, March 2014 - Nov 2018

Field of Study: Mechanical Engineering

Final Grade: 4.6 / 5.0

## CURRENT TRAINING

### Associate Degree in Software Engineering (Ongoing)

African Leadership (X) University, November 2022 – December 2023

### Master Degree in Financial Engineering (Upcoming)

WorldQuant University, October 2023 - October 2025

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## WORK EXPERIENCE

## **Data Science/Machine Learning Engineer Freelancer**

*Upwork, July 2023 - Present*

- Conducted data cleaning and preprocessing to ensure high-quality datasets.
- Performed Exploratory Data Analysis (EDA) to identify meaningful insights.
- Developed supervised and unsupervised machine learning models for predictive analysis.
- Delivered actionable data-driven insights to clients, aiding informed decisions.
- Achieved significant cost savings for a startup by implementing a Supervised Classification Model.

## **Project Mechanical Engineer**

*Tonmoor Energy Services Limited – Delta State, October 2019 - March 2023*

- Managed project RFIs, submittals, and approvals to ensure seamless progress.
- Contributed to project permit processes, ensuring adherence to regulations.
- Oversaw material deliveries and maintained project schedules.
- Upheld safety protocols during project close-out.

## **Field Engineer**

*Net-work Oil and Gas Limited - Edo State, January 2019 - April 2019*

- Installed mechanical and instrumentation equipment at an LPG facility.
- Interpreted Engineering/Piping and Instrumentation Diagrams (P&ID).
- Conducted equipment inventory and documentation.
- Ensured full compliance with QSHE regulations.

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## **CERTIFICATES AND LICENCES**

- British Airways Data Science Virtual Experience Program on Forage – June 2023
  - Applied Data Science Lab - March 2023
  - Machine Learning with Python: A Practical Introduction - July 2022
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## **SKILLS**

### **Technical Skills**

- Machine Learning: Supervised and unsupervised learning, regression, classification, clustering, Neural Networks
- Data Analysis: Statistical concepts, Analytical methodologies
- Programming Languages: Python, C
- Data Manipulation: Pandas, SQL, MongoDB, MySQL
- Data Visualization: Matplotlib, Seaborn, plotly
- Machine Learning Libraries: TensorFlow, Scikit-learn

- Web Frameworks: Flask, NGINX
- Version Control: Git
- Data Analysis: Exploratory Data Analysis (EDA), Statistical analysis
- Software Development: APIs, Flask, NGINX
- Operating Systems: Linux, Windows
- Numerical Computing: NumPy, Mathematics, Statistics
- Natural Language Processing (NLP): nltk, spacy

### **Soft Skills**

- Good understanding of social media
  - Strong analytical and problem-solving skills
  - Collaborative team player with a proactive approach
  - Ability to work independently yet collaborate cross-functionally in a global and multicultural environment
  - Effective communication and presentation abilities
  - Comfortable and effective working in new areas that require experimentation and rapid problem solving
  - Detail-oriented with a focus on delivering quality results
  - Inquisitiveness to learn products, works with them, and provides recommendations to drive continuous improvement
  - Adaptability to fast-paced and dynamic environments
  - Ability to exercise independent judgment in delivering new Data Science/Machine Learning insights
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### **ACHIEVEMENTS**

#### **Educational Achievements**

- MTN Foundation Scholarship
- Agbami Scholarship
- Petroleum Technology Development Fund (PTDF) scholarship
- First graduating student in my department

#### **Work Achievements**

- Delivered data-driven insights to clients, aiding informed decisions
  - Contributed to project close-out while adhering to safety protocols
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### **LANGUAGES**

- English: Fluent
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### **LINKS**

- [edX certificate](#)

- [GitHub profile](#)
  - [Credly badge](#)
  - [British Airways](#)
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**REFEREES:**

Available on request.