

# UDUMA IDIKA

MSc. Data Management & Artificial Intelligence (in view)

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## SUMMARY

Uduma is a data-driven professional with practical experience in predictive analytics, machine learning, and data visualization. Skilled in Python, SQL, and Power BI, he excels at transforming complex datasets into actionable insights that enhance business performance and fuel innovation. By applying advanced ML models and AI techniques, Uduma has improved decision-making and predicted trends, delivering scalable solutions to solve complex business challenges. He is seeking a Data Science internship to further hone his skills and knowledge in developing impactful, real-world solutions.

## EXPERIENCE

### Innovation Analyst

12/2023 – 09/2024

#### Nigeria Inter-Bank Settlement System (NIBSS)

Lagos, Nigeria

- Implemented automated workflows using Microsoft Power Automate to streamline the collection, organization, and analysis of innovative ideas, resulting in a more efficient data-driven decision-making process and reduced operational costs.
- Leveraged data insights and developed interoperable, scalable solutions that catered to the needs of key industry stakeholders, driving market differentiation and enhancing customer engagement.
- Identified opportunities to apply artificial intelligence (AI) and machine learning (ML) models in analyzing market trends and internal data, improving the accuracy of forecasts and decision-making processes.
- Collaborated with cross-functional teams to integrate disparate data sources into centralized systems, ensuring data quality and consistency for improved analytics.
- Utilized advanced data analysis to streamline internal processes, focusing on improving efficiency and driving innovation through process optimization.

### Head, IT Governance

10/2022 – 12/2023

#### Parallex Bank Limited

Lagos, Nigeria

- Developed architecture diagrams for IT projects, focusing on data flow visualization and system architecture to support data management and decision-making.
- Ensured regulatory compliance and oversaw the remediation of exceptions, to maintain data integrity and security of information management systems.
- Prepared IT governance and data management updates for stakeholders and senior management, ensuring decisions were driven by accurate, data-based insights.
- Acted as Functional Secretary of the Change Advisory Board (CAB), safeguarding data integrity, compliance, and security during IT changes and system updates.
- Developed an automated IT service improvement system using Power Automate, increasing data accuracy, optimizing workflows, and enhancing data management.

### Enterprise Architect

12/2020 – 10/2022

#### Guaranty Trust Bank (GTBank)

Lagos, Nigeria

- Prepared the Group and Bank IT Strategy for 2022 – 2025 to align with the business strategy that has made the bank one of the most profitable in the nation.
- Prepared the Group and Bank periodic IT Board Reports
- Collaborated with project managers and development teams to ensure data integrity and architecture compliance in project delivery.
- Periodically Assessed Technological Trends and made Recommendations to IT Management on Process Improvement Initiatives.

## KEY ACHIEVEMENTS

### AI-Driven Fraud Detection Solution

- Project on AI-Driven Fraud Detection Solution leveraging Python, PySpark, MySQL, PowerBI and other tech stacks

### Innovation Strategy (NIBSS)

- Developed a comprehensive innovation strategy focused on leveraging data, technology, human capital, and process improvements to drive organizational growth and sustainability.

### Centralized Validation Service

- Delivered a successful POC for a robust middleware solution supporting all identity validations in Nigeria (BVN, NIN, vNIN, JTB TIN, etc.), improving national identity verification.

### TOGAF Implementation (Parallex)

- Led a cross-functional team in implementing TOGAF principles, thus enhancing the bank's data governance and IT architecture, and aligning IT strategy with business objectives.

### Process Automation (GTBank)

- Automated the HoldCo's Internal Audit reporting process, resulting in over \$10,000 annual cost savings.

## SKILLS

C++ and Python Programming

Data Analysis

Critical Thinking

Data Visualization (Python, Power BI)

Power Automate

Analytical Thinking

Data Science and ML (Python)

Data Management (Hadoop, MySQL)

Innovation & IT Strategy Development

Presentation Skills

Teamwork

Leadership

Stakeholder Management

Effective Communication

## EDUCATION

MSc. Data Management and Artificial Intelligence (in-view) Ecole Centrale d'Electronique (ECE)	09/2024 – 08/2026 Paris, France
Soft Courses: Business Etiquette, Presentation, Emotional Intelligence Technical Courses: UI/UX, SQL, JS, C#, Python, R, Angular Guaranty Trust Bank Tech Academy	10/2020 – 12/2020 Remote
B.Eng. Petroleum Engineering: First Class Honors (4.80/5.00) Federal University of Technology, Owerri (FUTO)	12/2013 – 11/2018 Owerri, Nigeria

## SELECTED CERTIFICATIONS

2024	Python for Data Science Certification – Issued by DataScientest for Completion of Course Module.
2023	CBN IT Standards Blueprint – Executive Awareness Certification
2023	ISO 20000, 22301, 27001 Foundation Certifications. Certified by S&BP
2022	TOGAF® 9 Foundation Certification.
2022	Professional Scrum Master 1 (PSM1) Certification.
2021	Microsoft Certified: Azure Fundamentals (AZ 900).
2021	Power Apps Solution Sessions. Certified by DBrown Consulting.
2020	Certified by Rice University, Houston, for completing 2 courses on Business Statistics and Analysis Specialization Course.
2020	Certified by 365 DataScience for successfully completing courses on Advanced Microsoft Excel, Python Programming and Data Science

## OTHER SELECTED ACHIEVEMENTS

2019	Developed a C++ program that can solve a tridiagonal matrix using backward substitution approach.
2018	Led a team of twenty students to create a C++ program that determines gas well deliverability.
2018	Developed a model for predicting the bubble point pressure of Niger Delta reservoir oils using Artificial Neural Networks.

## LEADERSHIP POSITIONS

Oct. 2024	Class Delegate, Data Management and Artificial Intelligence
– Date	Ecole Centrale d'Electronique (ECE), Paris – Class of 2026.
Dec. 2017	Team Captain,
– Sep. 2018	FUTO Petroquiz Team (Emerged 1 <sup>st</sup> Runner up at the National Level)
Jan. 2017	Assistant Class Representative, Dept. of Petroleum Engineering
– Nov. 2018	Federal University of Technology, Owerri – Class of 2018
Jul. 2012	Senior Prefect,
– Jul. 2013	University of Nigeria Secondary School, Enugu Campus

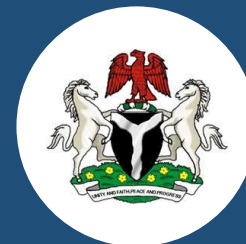
## AWARDS

2018	Best Graduating Student, Department of Petroleum Engineering, FUTO – Class of 2018
2018	Team Captain of the 1st runners up, National PETROQUIZ Competition
2013	Overall Best Student in Enugu State   NECO Senior Schools Certificate Examinations –2012/2013 sessions Awarded by Learn Africa Plc.
2012	1st Position, Enugu State Cowbell National Mathematics Competition – Senior Category

## SCHOLARSHIP AWARDS



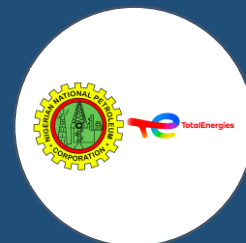
Awardee, PTDF Overseas Scholarship Scheme.  
(2024 – 2026)



Awardee, Federal Government National Undergraduate Scholarship Scheme.  
(2017 – 2018)



Awardee, MTN Foundation Science & Technology Scholarship Scheme.  
(2015 – 2018)



Awardee, NNPC/TotalEnergies Joint Ventures Scholarship Scheme.  
(2013 – 2018)

## HOBBIES

- Playing football.
- Playing Sudoku.
- Reading informative materials.
- Surfing the internet for opportunities in my field.