

ONYEDIKACHI ERETE

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DATA SCIENTIST

MACHINE LEARNING & DATA MODELLING ■ BIG DATA ■ BUSINESS INTELLIGENCE

A solutions-driven and distinguished data scientist with over 8 years of experience in the health and technology sectors, dedicated to fueling global growth, competitive advantage, and transformative change across diverse industries. As the visionary founder of the Kasala App and the Rector Cares Foundation, I possess a proven track record of leveraging data analysis to propel business growth; applying both the theoretical and applied realms of cloud infrastructure and data mining techniques, underpinned by a meticulous attention to detail.

I excel in managing intricate data analysis tasks, extracting invaluable insights, and translating visionary organizational strategies into actionable objectives. My expertise extends beyond healthcare, encompassing waste management, law enforcement, and addressing water scarcity challenges. I apply data-driven methodologies to optimize waste management practices, bolster law enforcement efforts, and devise sustainable water management solutions in diverse regions.

Recognized for my ability to deliver exceptional results under high-pressure circumstances, I am an autonomous self-starter committed to championing innovation and driving initiatives. My objective is to lead international, cross-functional teams in delivering strategic initiatives proven to improve systems, processes, and bottom-line results.

Expertise:

Data Management

- Business Intelligence
- Big Data & Infrastructure
- Data Science Foundations
- Data Analysis
- Cloud Infrastructure
- Data Mining
- Business Growth
- Report Generation
- Project Management
- Innovation
- Waste Management
- Water Scarcity Solutions
- Global Growth
- Machine Learning & Data Modelling
- Statistical Modelling & Data Mining
- Data Validation & Visualization

Technology Skills

- SQL, R Programming, Python, MATLAB, Microsoft Power BI, Visio, and Excel.

CAREER ACCOMPLISHMENTS

KASALA APP (www.kasalaapp.com)

FOUNDER

KASALA is a personal safety application designed to offer quick emergency alerts, real-time location tracking, safety check-ins, security tips, and in-app resources. The app helps users navigate urban environments, travel securely, and deal with potential threats like violence, kidnapping, or terrorism. With user-friendly features and practical tools, the Kasala App is a valuable companion for enhancing personal safety and preparedness. Available on the App Store and Android.

<https://www.thisdaylive.com/index.php/2020/03/17/firm-unveils-kasala-app-to-tackle-insecurity>

Addressing the Usefulness of Kasala App:

<https://www.youtube.com/watch?v=95vOZQTpYUo>



2018 to Present

Selected Outcomes:

- ✚ Successfully launched the KASALA APP, garnering over 1000 downloads and receiving 500 positive reviews within the first few months of launch.
- ✚ Established strategic partnerships with leading organizations such as Stand to End Rape Initiative (STER), which significantly expanded the app's reach and impact.
- ✚ Recognized as a prominent thought leader in the field of security, actively engaging audiences across a multitude of platforms. From live streams on notable TV stations like Arise TV to radio broadcasts, teams, zoom sessions, and social media, I've effectively communicated insightful perspectives on gender-based violence prevention, survivor support, and pressing security concerns such as kidnapping and terrorist attacks. Through these engagements, I've played a pivotal role in amplifying the app's mission and impact and significantly contributed to the ongoing dialogue around these critical security issues.



RECTOR CARES FOUNDATION (www.rectorcaresfoundation.com)

FOUNDER

2018 to Present

Established and led the creation of the Rector Cares Foundation, an NGO dedicated to providing clean water to underserved communities in Nigeria. We also engage in STEM projects and have developed the Kasala App to combat rape and gender-based violence. Our goal is a safer, more inclusive future for all.

<https://www.youtube.com/@rectorcaresfoundation>

LinkedIn: <https://www.linkedin.com/in/rector-cares-foundation-97b596113/>

Selected Outcomes:

- ✚ Provided clean water to over 70,000 individuals in Lagos State, Abia State, Imo State, and Enugu State in Nigeria through our solar-powered water borehole project. The Foundation also introduced the Grundfos AQ Tap, which facilitates efficient water distribution and ensures access to safe drinking water for communities in need. Through innovative technology, we have eradicated water scarcity concerns and established streamlined water distribution, thereby significantly enhancing the quality of life for these communities in need.
- ✚ Collaborated with Poul Due Jensen Foundation/Grundfos Foundation to provide 21 desktops and a laptop to Federal Government Girls College, Lejja, Nsukka, Enugu State, enhancing STEM education for young girls. Contributed to their development in programming, robotics, coding, and provided mentorship.
- ✚ Forged strategic collaborations with Poul Due Jensen Foundation/Grundfos in Denmark and Union Bank plc Nigeria to extend the foundation's reach and impact in providing clean and safe water.
- ✚ Gained recognition as a prominent advocate within the water supply sector, speaking at [World water day in Nigeria and won Union Bank helping our communities rise] sharing insights on sustainable water solutions and community empowerment.

PROFESSIONAL EXPERIENCE

RECYCLE POINTS LIMITED | Lagos, Nigeria

Senior Business Intelligence Analyst,

2017 – 2018

- Leveraged SQL and Excel to analyze data, identify trends, and uncover opportunities for business improvement.
- Created and maintained Tableau, Power BI, and Excel dashboards and reports to provide stakeholders with actionable insights into business performance.
- Conducted ad-hoc analyses and provided data support to inform decision-making across the organization.



Data Analyst, 2014 – 2017

- Developed SQL and implemented recommendations towards the development of new code or reuse of existing code.
- Created and maintained data visualizations for the purposes of educating, informing and engaging business partners on key metrics and performance measures of waste management and recycling projects.
- Contributed to the distribution of data collection tools to beneficiaries of projects tackling waste pollution and unemployment in deserved and underserved communities.
- Used analytics to review and compare statistical data to guide business decisions to help achieve business goals and inventory placement; presented findings to senior management, sales and forecasting teams.

Graduate Trainee, 2012 – 2014

- Executed complex computations, data cleansing and data filtering to create accurate information from large sets of data.
- Processed structured and unstructured data; identified, analyzed and interpreted trends in a complex dataset.
- Presented information using data analysis techniques and proposed solutions to business challenges.

VOLUNTEER EXPERIENCE

Recycle Points Foundation - Community Recycling Project

Project Coordinator, 2017 – 2018

Aided 8,000 women and young people in accessing work opportunities aimed at tackling waste pollution and unemployment in underserved communities in Nigeria.

- Partnered with Coca-Cola and Food and Beverage Recycling Alliance (FBRA) for this community recycling project.

Mental & Environmental Development Initiative for Children (MEDIC), Lagos

Volunteer, 2018 – 2020

Facilitated educative seminars for children on the usefulness of recycling and keeping a safe environment.

EDUCATION

Ulster University | Northern Ireland

Masters in Data Science, 2022

Institute of Petroleum Studies, University of Port Harcourt (IFP School, France Affiliated) | Rivers State

Masters in Petroleum Geosciences / Drilling Engineering, 2016

Federal University of Technology (FUTO) | Owerri

Bachelor of Engineering in Environmental Technology/Engineering, 2010

PROFESSIONAL MEMBERSHIPS

Nigerian Association of Petroleum Explorationists, **NAPE**

American Association of Petroleum Geologist, **AAPG student member**

Nigerian Environmental Society (**NES**)

General HSE Competency Certification (**Institute of Safety Professionals of Nigeria (ISPON)**)

International Well Control Forum (**IWCF**) - **Level 3 (Driller)**