

Ibrahim Ndagiwe

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Summary

Results driven Data Scientist and FullStack Engineer with hands-on experience delivering data-driven solutions, analytics dashboards, and ML-powered applications across utility, water, and technology sectors. Proven ability to transform raw data into actionable insights, automate workflows, and build scalable MERN systems. Experienced in production dashboards, predictive modeling, and cloud-ready web systems, with a strong engineering foundation and internship experience in real industrial environments.

Experience

KUWASA (Kigoma Water Supply Authority)

Data Analysis & Systems Intern | 07/2025 - 11/2025

- Processed and analyzed water distribution and operational data to improve monitoring accuracy.
- Developed structured reports and visual summaries to support infrastructure planning decisions.
- Assisted in automating data workflows, improving reporting consistency.

AMANZI

Web Development Intern | 07/2023 - 11/2024

- Designed and developed fullstack web applications using the MERN stack.
- Implemented RESTful APIs and optimized database queries for performance and scalability.
- Improved UI/UX consistency and responsiveness across devices.

TANESCO (Tanzania Electric Supply Company)

Data Science & Web Development Intern | 07/2022 - 11/2022

- Analyzed operational and consumption datasets to support data-driven decision-making in utility services.
- Built interactive dashboards to track performance metrics, reducing manual reporting time.
- Applied data preprocessing and statistical analysis to identify inefficiencies and trends.
- Collaborated with engineers and analysts to translate business requirements into technical solutions.

Skills

Python (Pandas, NumPy), SQL, EDA & Data Cleaning, Feature Engineering, Statistical Analysis, Scikit-learn (Regression, Classification), Predictive Modeling, Power BI, Data Visualization (Matplotlib, Seaborn), React, Node.js, REST APIs, MongoDB, PostgreSQL, Git, GitHub.

Education

Dar es salaam Institute of Technology | Dar es salaam
Computer Engineering | 08/2026