

# Ibrahim Ndagiwe

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## Summary

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Results driven Data Scientist and FullStack Engineer with handson experience delivering datadriven solutions, analytics dashboards, and MLpowered 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 cloudready web systems, with a strong engineering foundation and internship experience in real industrial environments.

## Experience

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### 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 datadriven decisionmaking 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

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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

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### Dar es salaam Institute of Technology | Dar es salaam

#### Computer Engineering | 08/2026