IBRAHIM NDAGIWE

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Summary

Data Analyst and Full-Stack Developer with hands-on experience transforming raw data into actionable insights and building scalable, data-driven web applications. Strong background in Python, SQL, React, and Node.js, with practical exposure to machine learning, dashboards, and RESTful systems. Proven ability to automate reporting, optimize processes, and deliver business-impactful solutions.

Experience

KUWASA (Kigoma Urban Water Supply & Sanitation Authority)
ICT & Data Intern | 06/2025 - 01/2026

· Cleaned and preprocessed operational datasets using Python and Excel · Built automated reporting systems, reducing manual reporting time by 40% · Conducted data analysis to identify service delivery process improvements · Supported ICT operations and system maintenance activities

AMANZI App
Full-Stack Developer (Project-Based) | 06/2024 - 01/2026

· Developed responsive React.js interfaces following modern UI/UX principles · Built RESTful APIs using Node.js and Express.js for water-service monitoring · Designed and optimized MongoDB schemas for performance and scalability · Integrated third-party APIs and implemented data-driven application features

TANESCO (Tanzania Electric Supply Company)
Data Analyst Intern | 07/2023 - 01/2026

· Analyzed customer service and payment data to identify usage trends · Designed Power BI dashboards visualizing key KPIs for management · Generated insights leading to 15% improvement in payment processing efficiency · Used SQL for data extraction and Python for statistical analysis

Skills

Python, JavaScript, TypeScript, SQL Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3 Backend: Node.js, Express.js, REST APIs, MongoDB, PostgreSQL Data & Analytics: Pandas, NumPy, Data Cleaning, EDA, Power BI, Excel Machine Learning: Scikit-learn, Predictive Modeling, NLP, Classification Tools: Git, Docker, AWS, Firebase, Jupyter Notebook, VS Code Methodologies: Agile, Data Visualization, API Development, Database Design

Education

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