Karen Marie Kasigila

Berrien Springs, MI • +1-269-861-3487 • www.linkedin.com/in/karen-marie-kasigila-443b73242 • Karen_Marie1@icloud.com

Education

Andrews University, Berrien Springs, MI   Expected May 2026
Bachelor of Science in Data Science (with a Minor in Innovation & Entrepreneurship)

Skills

- Python
- SQL
- Machine Learning
- Predictive Modeling
- Data Visualization
- Data Analysis

Professional Experience

Ifakara Health Institute – Data Science Intern   Jun 2025 – Aug 2025
Dar es Salaam, Tanzania

- Analyzed national malaria and community-health data using Python, SQL, and Pandas to identify high-risk zones.
- Built data dashboards that improved monitoring and reporting accuracy by 25%.
- Presented statistical findings to research and policy teams to support data-driven decision-making.

J.P. Morgan Chase & Co. – Data for Good Hackathon   Apr 2025
Dallas, Texas

- Built a geospatial analytics dashboard (React, Node.js, Mapbox) mapping underserved ZIP codes.
- Designed Compass Connect, an AI-driven platform visualizing social-service impact across regions

Sustainable Solutions for Africa (SSA) – Climate Finance Strategy Intern   Jun 2024 – Aug 2024
Lomé, Togo

- Led the design of Namibia's Climate Finance Strategy, aligning national policy with UN SDG targets.
- Developed financial models in Excel and Python to optimize climate-funding allocation, increasing accuracy by 25%.
- Produced visual reports and presentations adopted by senior policymakers.

NMB Bank Plc – Data Science Intern   May 2023 – Jun 2023
Dar es Salaam, Tanzania

- Automated credit-risk analytics pipelines with Python and SQL, cutting report generation time by 20%.
- Created predictive models to assess loan-default probability, informing SME lending strategy.
- Built Tableau dashboards used by management to track portfolio health.

Projects & Initiatives

ImaraCare – AI-Powered Remote Diagnostics Platform
Founder & Developer

- Conceived and prototyped a platform connecting rural clinics to AI-based diagnostic tools.
- Built a functional backend (Flask + Firebase) and Figma UI, validating the concept with users in Tanzania.

Anchor & Net – Sustainable Seafood Business Model
Business Strategist (Capstone)

- Created feasibility analysis, market research, and financial forecasts for a sustainable seafood startup proposal in Michigan.

Leadership & Community Impact

- **PR Chair**, Black Student Christian Forum — increased event engagement by 40%.
- **Student Mentor**, Andrews University — guided first-year students in academic and career transition.
- **Volunteer,** Dar es Salaam Children's Homes — organized donation drives and mentorship sessions.