

ABRHA GEBREHIWET TESHAMICHAEL

Data Analyst

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Mekelle, Tigray, Ethiopia |

SUMMARY

Final-year Computer Science student (graduating June 2026) with growing experience in data analysis, digital tools, and development-focused information systems. Skilled in SQL, Python, Power BI, Excel, KoboToolbox, and ODK, with hands-on practice automating reporting templates, cleaning datasets, and developing dashboards for decision-making.

EDUCATION

Mekelle University

B.Sc. in Computer Science

– CGPA: 3.88/4.0

– Relevant coursework: Data Mining & Data Warehousing, Database Systems, Machine-Learning, Software Engineering, Data Structures

Mekelle, Ethiopia

Expected June 2026

SKILLS

Programming & Querying: SQL, Python (Pandas, NumPy, Matplotlib, Seaborn, Regex), R (beginner).

Data Analysis & Reporting: Power BI (Advanced), Tableau, SPSS, Advanced Excel (Pivot Tables, Lookups, Macros), data cleaning, validation, descriptive analytics.

Digitalization & Operations: Workflow automation, process digitalization, reporting template design, dashboard development, data documentation, data quality assurance.

Humanitarian & Field Data Systems: KoboToolbox, ODK, XLSForm design, mobile data collection, data protection & ethics.

EXPERIENCE

Data Analyst Intern

Prompt BI Kenya

Remote

Oct 2025 – feb 2026

- Processed and standardized datasets exceeding 100,000 rows from multiple regions, enabling KPI tracking across geography and reporting periods – directly analogous to UNDP operational data management needs.
- Digitalized reporting workflows by designing advanced Excel templates with lookup functions and pivot logic, **reducing processing time by 40%** across four departments and freeing teams for analytical work.
- Built and maintained **Power BI dashboards** to visualize revenue trends, customer segmentation, and monthly performance, regularly consulted by managers and senior analysts for strategic decisions.
- Collaborated with cross-functional teams (4 analysts, 2 senior managers) to define, validate, and monitor 6 organizational KPIs, improving report reliability and strategic alignment.
- Automated repetitive data preparation routines in Python, reducing manual handling errors and improving turnaround time for weekly analytics cycles.

Field Data Trainee

MSF Holland – Vaccination Coverage Survey Training

Tenedbah Refugee Camp, Sudan

24–26 July 2021

- Participated in MSF's intensive training for the 2021 Vaccination Coverage Survey in Tenedbah Refugee Settlement, focused on public health data collection in humanitarian settings.
- Gained hands-on skills in household survey techniques, immunization indicator tracking, sampling procedures, and accurate data recording under field conditions.
- Learned MSF protocols regarding data ethics, informed consent, confidentiality, and safe engagement with vulnerable refugee populations.
- Prepared for operational deployment by practicing form verification, error-checking, and real-time reporting workflows used in large-scale health assessments.

PROJECTS

SDG 8 Job Market Trends Analysis in Ethiopia | VLIR-UOS, Thomas More University (Belgium)

Remote | March 2026

- Completed a month-long online COIL data science training jointly delivered by **Thomas More University (Belgium)** and Mekelle University, focused on end-to-end applied data workflows.
- Developed a web scraper to collect real-time job vacancy data from etcareers.com; conducted comprehensive data cleaning, text processing, and structuring using Regex and Pandas.
- Performed Exploratory Data Analysis (EDA) with NumPy and Matplotlib to identify sectoral trends and skill demand patterns in alignment with **SDG 8: Decent Work and Economic Growth**.

- Presented project findings to peers and the course instructor during the online COIL sessions; successfully completed the program and earned the **International Data Science Certification** (Credential ID: e809e6f4).

Predicting Child Malnutrition in IDP Camps Using Machine Learning

Final Year Project

- Developed a predictive model to identify malnutrition risks in **IDP (Internally Displaced Persons) camps** using UNICEF datasets, directly supporting humanitarian decision-making for displaced communities.
- Performed feature engineering on child health, nutrition, and socio-economic indicators across 4,000+ entries; addressed class imbalance to ensure accurate representation of high-risk groups.
- Applied and optimized Random Forest and XGBoost algorithms; generated visualizations to translate technical findings into actionable insights for field practitioners.

Customer Behavior & Churn Analysis

Nov 2025

- Analyzed behavioral patterns of 7,043 telecom customers, engineering features (contract buckets, tenure bands) to identify churn drivers and generate 11 targeted visualizations (histograms, box plots, heatmaps).
- Surfaced that 38% of churned users were on monthly contracts with under 3-month tenure; translated findings into strategic early-engagement recommendations for business stakeholders.

AWARDS & CERTIFICATIONS

- **International Data Science Certification – Thomas More University, Belgium (2026):** Completed a cross-border COIL (Collaborative Online International Learning) program focused on the end-to-end data science lifecycle. Participated in four synchronous international sessions involving automated data acquisition using web scraping, data engineering and cleaning with Python (NumPy, Pandas), and exploratory data analysis using Matplotlib. Worked in a group project and presented results in an international online academic setting. Certificate ID: e809e6f4. [View Certificate](#)
- **Introduction to Python Certificate – Analytics Vidhya (2025):** Certified Python for Data Science covering syntax, Pandas, NumPy, and visualization.
- **Foundation of Data Science Certificate – Analytics Vidhya (2025):** Core concepts in data analysis, statistics, machine learning fundamentals, and industry applications.
- **Data Analysis Fundamentals Certificate – Udacity (2025):** 5 Million Coders Initiative.
- **Software Development Certificate (AI for Software Engineering) – Power Learn Project (2026):** Successfully completed a 16-week program covering Python, SQL database design, software engineering essentials, web development, startup-building for developers, and a specialization in AI for Software Engineering.
- **Vaccination Coverage Survey – MSF Holland (2021):** Sudan field project; certified in humanitarian data collection protocols with hands-on public health data management.

VOLUNTEER & COMMUNITY ENGAGEMENT

- **United Nations Volunteers (UNV) Online Volunteer Certificate (2025):** Completed a 12-week online volunteering assignment with UNDP under the UNV programme, contributing approximately 10 hours per week to Sustainable Development Goals (SDGs)-related activities.
- **Volunteer Tutor – Tigray Development Association (TDA) (July–Aug 2025):** Delivered tutoring to Grades 8–12 students in the Voluntary Summer Tutorial Program, supporting educational access in conflict-affected Tigray.

LEADERSHIP

Campus Ambassador (CAL) | *Aspire Institute (Harvard-Founded)*

March 2026 – Present

- Selected as a Campus Leader to expand access to educational opportunities for first-generation and low-income students globally, developing peer mentorship strategies and local programme advocacy.
- Completed specialized onboarding (May 2026) focused on community outreach, inclusive leadership, and programme expansion – aligning with UNDP's gender equality and Leaving No One Behind commitments.

Aspire Leaders Program Finalist | *Aspire Institute*

2025

- Selected among 9,988 finalists out of 54,337 global applicants; gained skills in personal development, collaborative problem-solving, AI applications, and community impact strategy.

LANGUAGES

Tigrinya (Native), **Amharic** (Fluent), **English** (Professional Working Proficiency), **Arabic** (Elementary)