

Jemal Tahir Mumed

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Work Experience

Gursum Finance Office	Gursum, Ethiopia
Budget & Evaluation Lead	Jan '20 - Present
<ul style="list-style-type: none">Spearheaded a digital budgeting reform by developing a Python/Stata-based reporting system, reducing monthly budget reporting time by 25% and cutting departmental costs by 15%.Oversaw over \$2 million in public development project funding, achieving 95% on-time and on-budget delivery across 15+ community initiatives.Introduced performance-based budgeting frameworks and trained 15+ staff members, improving analytical capability and team productivity by 30%.Created Excel dashboards for real-time budget tracking, enabling senior leaders to make quicker, data-informed decisions.	
Haramaya University	Haramaya, Ethiopia
Academic Researcher (MSc Thesis & Publications)	Jan '23 - Jan '25
<ul style="list-style-type: none">Conducted market chain analysis on 58+ livestock traders; identified three critical inefficiencies, leading to adopted reforms by regional policymakers.Designed and validated SPSS/Stata predictive models that improved agricultural market efficiency forecasting accuracy by 22%.Collected and cleaned over 15,000 agricultural and market data points across multiple zones to support policy-relevant economic research.	

Education

Haramaya University	Jan '25
Master of Science (MSc) Agribusiness & Value Chain Management GPA: 3.55	
Ethiopia	
Haramaya University	Jan '17
Bachelor of Science (BSc) Agribusiness & Value Chain Management GPA: 3.47	
Ethiopia	
Udacity	Jan '25
Nanodegree Programs General Studies	
Data Analysis, AI Fundamentals, Android App Development	

Projects

AI-Based Yield Prediction Model (Capstone Project)	Apr '25
<ul style="list-style-type: none">Developed a supervised machine learning model (Python, Pandas, Scikit-learn) to predict crop yields with 85% accuracy, based on real-world meteorological and soil data.Built user-friendly interface for agricultural extension workers to input variables and receive instant yield forecasts.	

Financial Optimization System

- Designed a decision-support platform integrating Python and Stata analytics to replace paper-based reporting, saving 10 hours of manual data entry weekly.
- Implemented Excel-based KPIs for financial monitoring, increasing data transparency for departmental heads.

Skills

Matplotlib · Microsoft Access · SPSS · SQL · Stata · Public Finance Management · Predictive Analytics & Forecasting · Econometrics & Policy Research · Machine Learning (Scikit-learn, Pandas) · Budgeting & Financial Evaluation · Mobile & Android App Development · Agricultural Value Chain Optimization · Staff Training & Change Management · Python (Pandas, NumPy, Scikit-learn) · Microsoft Excel (PivotTables, VLOOKUP, Dashboards) · Android App Development (Java/XML) · API Integration & Data Processing · Seaborn · Excel Charts & Dashboards