

Jemal Tahir Mumed

Data Analyst | Gursum, Ethiopia | +251957110001 | jemalt2020@gmail.com | linkedin.com/in/jemal-tahir-mumed-33b39a1b7
| github.com/jemal-tahir-mumed

Professional Summary

Multidisciplinary professional with an MSc in Agribusiness and extensive expertise in data analytics, econometrics, AI/ML, and public sector finance. Demonstrated success in digital transformation, budget efficiency, and policy-oriented research. Proven ability to bridge data science with real-world economic development, leveraging tools such as Python, Stata, SPSS, Excel, and Android Development to streamline operations, forecast outcomes, and influence policy. Known for delivering measurable results in public finance, agriculture, and mobile technology.

Core Competencies

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

Programming & Analytics: Python (Pandas, NumPy, Scikit-learn) · SPSS · Stata · SQL · Microsoft Excel (PivotTables, VLOOKUP, Dashboards)

Development: Android App Development (Java/XML) · Microsoft Access · API Integration & Data Processing

Data Visualization: Matplotlib · Seaborn · Excel Charts & Dashboards

Professional Experience

Gursum Finance Office	Gursum, Ethiopia
Budget & Evaluation Lead	2020 - 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)	2023 - 2025
<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	2025
Master of Science (MSc) Agribusiness & Value Chain Management GPA: 3.55	
Ethiopia	
Haramaya University	2017
Bachelor of Science (BSc) Agribusiness & Value Chain Management GPA: 3.47	
Ethiopia	
Udacity	2025
Nanodegree Programs General Studies	
Data Analysis, AI Fundamentals, Android App Development	

Key Projects

AI-Based Yield Prediction Model (Capstone Project)	2025
<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	
<ul style="list-style-type: none">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.	