

Data analyst with 3+ years of hands-on experience building web and mobile applications integrated with artificial intelligence, machine learning, and data-driven systems. Experienced across the full software development lifecycle, including frontend development, Flutter-based mobile applications, secure backend services, data processing workflows, and cloud-native deployments. I have contributed to AI-powered applications, scalable backend APIs, and production systems deployed on AWS and Google Cloud using CI/CD pipelines. Currently involved in national cybersecurity initiatives while collaborating with international AI teams to deliver reliable, real-world software solutions.

Work Experience

<u>Senior Software Engineer</u> Development team	<u>Mobile Application Developer</u> California, United States	<u>Jan 2025–Present</u>
	<ul style="list-style-type: none">Lead development of a Flutter-based mobile application for AI-powered mood tracking and mental health supportIntegrated AI-driven insights and recommendations to enhance user engagement and personalization.Collaborated with international AI and backend teams to deliver scalable, secure, and user-focused features.Supported global deployment and continuous improvement of the application.	
<u>Software Engineer II</u> Development team	<u>Ethiopian Information Network Security Administration (INSA)</u> Addis Ababa, Ethiopia	<u>Feb 2025–Present</u>
	<ul style="list-style-type: none">Develop and maintain secure software systems supporting national cybersecurity and digital infrastructure initiatives.Contribute to threat analysis, incident response, and security-focused system designSupport the development of secure backend services aligned with national infrastructure protection standards.Collaborate with multidisciplinary teams on production systems used in critical environments.	
<u>Software Engineer</u>	<u>Nexus Labs</u> Addis Ababa, Ethiopia	<u>Jan 2023–Oct 2025</u>
	<ul style="list-style-type: none">Delivered full-stack web and mobile applications for diverse clients using React, Flutter, Node.js, and MongoDB. Designed and implemented scalable backend systems and REST APIs to support growing user bases. Implemented CI/CD workflows and Git-based version control to streamline development and deployment. Worked directly with stakeholders to translate business requirements into high-quality technical solutions.	
<u>Software Developer Intern</u>	<u>Hadiya Science and IT Department</u> Hossana, Ethiopia	<u>Sept 2023–Oct 2023</u>
	<ul style="list-style-type: none">Developed a Budget Management System, boosting efficiency by 30%.Trained staff to ensure sustainable system adoption.	

Education and Certifications

<ul style="list-style-type: none"><u>B.Sc. Software Engineering</u>, Arbaminch University<u>ALX Software Engineering Program</u>, ALX Certificate<u>Artificial Intelligence Fundamentals</u>, Udacity Certificate<u>Data Analysis Fundamentals Program</u>, Udacity Certificate	<u>Nov 2019– July 2024</u>
	<u>May 2024</u>
	<u>July 2025</u>
	<u>July 2025</u>

Technologies and Languages

- Languages: Java / Go / JavaScript /TypeScript /Python / Dart / [Node.js](#) / Restful API Design / Fast API / Firebase
- Technologies: PostgreSQL / SQL / MongoDB / MySQL / AWS / Google Cloud / CI/CD / Docker / Linux
- Web Development: React / Vue / HTML/CSS / Full-Stack Web Development / Git / GitHub / GitLab

Projects

- **Credit Risk Probability Model:**
 - Developed a credit risk prediction system using non-traditional financial and behavioral data.
 - Applied feature engineering, supervised learning algorithms, and performance evaluation metrics
 - <https://github.com/Leul4ever/credit-risk-model>
- **Intelligent Complaint Analysis Using a RAG-Powered Chatbot for Financial Services**
 - Builds a RAG-powered chatbot to analyze unstructured financial customer complaints
 - Uses semantic search + LLMs to generate evidence-backed answers
 - Enables non-technical teams to identify trends and issues in minutes
 - Supports insights across multiple financial products
 - Transforms customer feedback into actionable business intelligence
 - <https://github.com/Leul4ever/rag-complaint-chatbot>
- **Fraud Detection for E-commerce & Banking Transactions:**
 - Designed and implemented machine learning pipelines to identify fraudulent transactions.
 - Performed data preprocessing, model training, and evaluation for anomaly detection.
 - Demonstrated relevance to financial security and trust-critical system
 - <https://github.com/Leul4ever/fraud-detection>
- **Solar Data Discovery & Cross-Country Solar Farm Analytics:**
 - Conducted large-scale data analysis on renewable energy datasets across multiple regions
 - Built analytical workflows to compare solar farm performance and trends
 - Highlighted the role of data-driven decision-making in sustainable energy system
 - <https://github.com/Leul4ever/solar-challenge-week1> <https://solar-analytics-leul.streamlit.app/>
- **Customer Experience Analytics for Fintech Applications:**
 - Scraped, cleaned, and analyzed user reviews from Google Play Store
 - Applied NLP and sentiment analysis to extract customer satisfaction insights
 - Combined data engineering, visualization, and applied machine learning
 - <https://github.com/Leul4ever/fintech-reviews-analysis> Insurance Risk Analytics
<https://fintech-reviewsanalysis.streamlit.app/> <https://github.com/Leul4ever/fintech-reviews-analysis>

Language:

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

- Mother Tongue: Amharic
- English: LISTENING C1 / READING C2 / WRITING C1 / SPOKEN PRODUCTION C1 / SPOKEN INTERACTION C1

Reference

Dr. Mesay Samuel: Assistant Professor (AI)

- Faculty of Computing and Software Engineering.
- University: Arbaminch University.
- Email: Mesay.Samuel@amu.edu.et. Phone: +251-0468814421.

Addisu Mulugeta Haile (Assistant Professor): Assistant Professor

- Faculty of Computing and Software Engineering
- Director of the Research and Community Engagement Directorate office.
- University: Arab Minch University.
- Email: addemuler@gmail.com or addisu.mulugeta@amu.edu.et. Phone: +251-46-881-49

Volunteering

Arba Minch University Peace Forum:

- Served as a sub-committee officer with honesty and integrity to promote peace initiatives within the university.