

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

Senior Software Engineer Development team	Mobile Application Developer California, United States	Jan 2025–Present
<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.		
Software Engineer II Development team	Ethiopian Information Network Security Administration (INSA) Addis Ababa, Ethiopia	Feb 2025–Present
<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.		
Software Engineer	Nexus Labs Addis Ababa, Ethiopia	Jan 2023–Oct 2025
<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.		
Software Developer Intern	Hadiya Science and IT Department Hossana, Ethiopia	Sept 2023–Oct 2023
<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">B.Sc. Software Engineering, Arbaminch UniversityALX Software Engineering Program, ALX CertificateArtificial Intelligence Fundamentals, Udacity CertificateData Analysis Fundamentals Program, Udacity Certificate	Nov 2019– July 2024 May 2024 July 2025 July 2025
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Technologies and Languages

<ul style="list-style-type: none">Languages: Java / Go / JavaScript /Typescript /Python / Dart / Node.js / Restful Api Design / Fast API / FirebaseTechnologies:PostgreSQL / SQL / MongoDB / MySQL /AWS / Google Cloud / CI/CD / Docker / LinuxWeb 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.