

# Dagmawi Teferi

Data Scientist & AI/ML Engineer | Machine Learning | Deep Learning

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## SUMMARY

An AI/ML Engineer with a strong foundation in computer Science, including database design, object-oriented programming (OOP), algorithms, data structures, and Python. Proven experience in building ML models, including credit scoring and fraud detection. Skilled in data engineering tasks like ETL pipeline development, data processing, and data visualization. Proficient in Dockerization for containerized deployment.

## SKILLS

**Programming Languages** : Python, Sql, Java, Javascript  
**Frameworks** : Pandas, Numpy, Scikit-Learn, Matplotlib  
**Database** : MySql, postgresQL  
**Environments** : Visual Studio Code, PyCharm, colab, kaggle  
**Soft Skills** : Rapport Building, Blog Writing, Excellent Communication  
**Tools** : Excel, Powerpoint, Slack, Notion

## EXPERIENCE

**Youth Advisor, Kifiya Financial Technology, Addis Ababa, Ethiopia** **Dec 2023 - Present**

- Identified and communicated the needs of the youth, providing valuable advice and insights to support youth-focused initiatives.
- Collaborated with stakeholders in 4+ meetings to design and implement strategic programs that address youth needs, ensuring effective and impactful solutions.

**AI Engineer Intern, Kifiya Financial Technology, Addis Ababa, Ethiopia** **Mar 2025 - Present**

- Developed and fine-tuned Agentic AI systems integrating LLMs to enable autonomous task execution and intelligent decision-making in financial use cases.
- Built and optimized Retrieval-Augmented Generation (RAG) pipelines to enhance the accuracy and contextual relevance of responses using internal knowledge bases.
- Collaborated with a cross-functional team to deploy scalable AI solutions, improving customer support and operational efficiency.

**Front End Developer, purpose Black ET, Addis Ababa, Ethiopia (Remote)** **Mar 2023– Jun 2023**

- three-month internship.
- Created and optimized user-friendly web interfaces, enhancing user experience through responsive design and functionality.
- Collaborated with designers and developers to enhance 1 application, ensuring alignment with project requirements and business goals.

## PROJECTS

**Fraud Detection Models, [Link](#)**

- Built a machine learning model to detect fraudulent transactions in e-commerce platforms.
- Conducted data preprocessing, feature engineering, and model training to improve fraud detection accuracy.
- Deployed the model via Flask API, containerized it using Docker, and built interactive dashboards with Dash for real-time fraud monitoring and insights.
- Provided real-time monitoring and insights through interactive dashboards, achieving an accuracy of 83% using a Random Forest model, with a precision of 92% and recall of 71% for fraud cases, ensuring effective fraud identification while minimizing false positives.
- Learned valuable lessons on data preprocessing, model deployment, and dashboard development.

**Ethiopian Medical Data Warehouse, [Link](#)**

- Ethiopian Medical Data Warehouse project for scraping and aggregating medical data from Telegram channels.
- Integrated YOLO-based object detection for automated categorization, resulting in a 20% reduction in manual categorization efforts and improved data processing.
- Successfully centralized medical data, enhanced categorization with YOLO-based detection, and provided efficient data management and analytics through Fast API.

**Credit Scoring Model, [Link](#)**

- Credit risk assessment model for a buy-now-pay-later (BNPL) service using machine learning.
- Designed the model, conducted EDA, feature engineering, and model training for risk prediction, and developed a FAST REST API for integration and accessibility.
- Enhanced financial decision-making by reducing default rates by ~40% and improving loan approval efficiency by 35%, ensuring better risk management.

## EDUCATION

**10 Academy, online** - *Certificates, Generative Ai, ML Engineering, Data Engineering*

**Dec 2024 - Mar 2025**

Relevant coursework: Data science, AI, Python, SQL, Docker.

**Unity University, Adama, Ethiopia** - *Bachelor, Computer Science - GPA: 3.95/4*

**Sep 2022 - Present**

**Kuraz Technology, online** - *Certificate, Full stack web development*

**Aug 2021 - Dec 2021**

Relevant coursework: MERN stack, MongoDB, Express.js, React.js, Node.js.

