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| ML Engineer MICHAEL G/GIORGIES | Phone: (+251) 923598583 Email: mikimare21@gmail.com Github Linkedin Address: Addis Ababa, Ethiopia |
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Professional Summary

A motivated Machine Learning Engineer with a solid foundation in Python programming, basic model training, and understanding of data structures and algorithms. Gained practical experience through projects involving model fine-tuning and data preprocessing. Also familiar with data visualization tools and techniques.

Skills

Technical Skills

Apache Airflow, Git, Python, SQL, Supervised Learning, Unsupervised Learning, Predictive Analytics, Statistical Modeling, Time Series Analysis, Deep Learning, Transformer Models, Model Training, Fine-tuning NLP, Data Cleaning and Preprocessing, (RAG) Pinecone, Chromadb, FIASS

Software Tools

Python, SQL, Jupyter, Git, Docker, Kubernetes, GPT, BERT, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Scipy, AWS, NoSQL, MongoDB,

Work Experience

- Associate Researcher-Bio and Emerging Technology Institute - (Addis Ababa) – 2019 - Present
- Data-Analyst - Ethiopian Science and Technology Information Center 2016-2019

Projects

Scalable Backtesting Infrastructure

- Reliable, large-scale data pipeline to run stock market backtests, enabling simplified and lower-risk investment opportunities for investors.

Contract assistant AI:

- Developed Q&A system with RAG using Langchain. Evaluated the RAG pipeline using RAGAS.

Data warehouse tech stack with MySQL, DBT, Airflow

- Scalable data warehouse that will host the vehicle trajectory data extracted by analyzing footage taken by swarm drones and static roadside cameras.

Education

- **10 Academy** - Generative AI, Machine learning, Data engineering
- **Addis Ababa Institute Technology – Ethiopia** - BSc in Mechanical and Industrial Engineering – Took OOP, Statistics, embedded systems, applied math and physics courses

Certificate

- Data Science using python from Indian Technical and Economic cooperation government of India
- Mulesoft Developer Level from Salesforce
- Java Programming Masterclass from udemy