Yohannes Ahunm Teffera

Software & AI Engineer

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Leetcode

OBJECTIVE

Reliable and detail-oriented coder looking for an opportunity where I can make the best of my potential

EXPERIENCE

Addis Home Finder | Python | Audio Signal Processing   Feb 2021 - Nov 2022
- Developed Media Monitoring System focused on media files recording, recording scheduler & advert matching with fingerprinting algorithms.
- Achieved advert detection with a precision of 2 to 5 seconds, even when processing long audio and video datasets.

Startup Agile | FastAPI | Automation | AWS | LLMs | Langchain   Dec 2022 - Sep 2024
- Developed AutoRecycler, Archiver and Restore of assets on **iconik** and AWS S3.
- Contributed to Notification API module which does TranscribeSummarize, Face Detection and Auto Translation of assets on **iconik** media files management platform.
- Developed Discord Customer Service bot (**RAG**) for Discord crypto trading server with Ollama, llama3 and ChromaDB, deployed on AWS EC2.

Addis Ababa University |Next.js| .NET | Jan 2024 - Jun 2024
- Developed ORIDMS for Oromia region governmental organization.
- Contributed to Statistics Module(service) used for statistics report management of lower structures under the region.

Aladia E-learning Platform |Nest.js, Redis, MongoDB, GCP Tools, Apache Beam   Aug 2024 - Jun 2025
- Engineered a Change Data Capture solution using Atlas Trigger & GCP tools including BigQuery, Dataflow, Pub/Sub, Apache Beam, and GCS to handle real-time data processing and advanced MongoDB aggregation queries.

PROJECTS

Amharic Text Summarization|Python, Tensorflow, PyTorch, Transformers| 3-person Team Nov 2023 - Jan 2024
- Implemented extractive summarization using cosine similarity, achieving a commendable Rouge score of 0.75 for enhanced key information extraction & school offices now use our product
- Fine-tuned MT5 for Amharic summarization in PyTorch, achieving Rouge of 0.65 with 20,000 data samples

Ecommerce Admin & Store App |TypeScript NextJs, Tailwind CSS, MySQL, Prisma   Aug 2022–Sep 2022
- Integrated online payment with **Chapa**(Ethiopian payment system) so that users can pay with their preferred local bank.
- Designed and implemented a visual analytics chart to display revenue and profit, made the web user friendly for admins.
- Implemented search, ordering, and secure payment for customers**(personal project).**

EDUCATION

Addis Ababa University | link   Addis Ababa, Ethiopia
BSc in Software Engineering(Artificial Intelligence Stream)   Sep 2020- Jun 2025
CGPA: 3.86 / 4.00

Africa To Silicon Valley(Backed By Google) | A2SV   Addis Ababa, Ethiopia
Code Academy | DSA   Nov 2022–Oct 2023
- A2SV teaches African students in year-round intensive data structures and algorithms(+18 data structures), and I've solved   + 600 problems on LeetCode, Codeforces, and HackerRank.
- A2SV students have a 70% success rate in the interviews and have placed 50+ students at Databricks, Google, Bloomberg, Amazon,, Palantir, and LinkedIn.

SKILLS

Advanced: Python, JavaScript, TypeScipt,Git

Intermediate: FastAPI, Flask, Django, PyTorch, SkLearn, NodeJs, ReactJs/NextJs, NestJs, Docker, API Integration, CI/CD, AWS, GCP, Analytics, Apache Beam, Dataflow, Bigquery, Langchain, RAG, Agents

Familiar: Flutter, Java(Familiar), TensorFlow

ACHIEVEMENTS

90th scorer out of **+340,000** students and **1**th scorer from my city in the Ethiopian University Entrance Examination, 2021.

Straight **A (4.00)** in the Ethiopian General Secondary Education Certification Exam, 2018.

Active participant in CODEMASTER's 2023 Coding Competition, 2023.