LEUL ASSAMINEW

AI/ML ENGINEER

Addis Ababa, Ethiopia Tel: +251927997715

[Email](#) | [Linkedin](#) | [Github](#)

TECH STACK

Languages : Python | Java | R
Frameworks : Pytorch | TensorFlow | Keras | Jax | Scikit
Generative AI : OpenAI | VertexAI |Google Palm | LLama 2 | Mistral | BERT | Transformers | Stable diffusion
NLP : Transformers | Spacy | Nltk | Genism
Data Analysis : Pandas | Matplotlib | Seaborn
Cloud : AWS | GCP | Azure | Runpod
Database Management : PostgresSQL, MySQL, MongoDB, Firebase

EXPERIENCE

AI/ML developer |
Python , Generative AI , NLP ,Machine Learning

MeetPlaceGMBH

Germany-Lubeck(Remote)

October 2023- Present

- Developing AI solutions for different industries like sales, agriculture and manufacturing using state of the art models.
- Finetuning and Rag solutions using both open source and closed source models
- Deploying Stack on cloud services deploying on customer requirements

Machine Learning engineer
Data analysis and visualization, predictive models,Generative AI , NLP

Coca-Cola Beverages Africa

Ethiopia - Addis Ababa
March 2020 - Sep 2023

- Developed and deployed a ml model used for sales prediction in different parts of the country which helped increase sales by 20% and reduced route to market cost by 25%
- Developed and deployed NLP solutions and created a movement to create a paper free digital manufacturing environment which reduced paper usage by 50% and helped create a transparent digital process.

Machine Learning engineer
NLP , Computer Vision , Machine Learning

omdena

May 2022 - Sep 2023

- Developing AI and NLP solutions for world wide problems by collaborating with professionals from around the world
- Developed and deployed Computer vision and Machine Learning projects to solve problems faced around the globe.

PROJECTS

Braino Insurance Assistant

- Ideated and developed a new stack architecture to build an interactive assistant
- Collaborated on Data collection and cleaning
- Built the stack by using Supervised and instruction fine tuning on a LLAMA 2 model along with prompt engineering.
- Deployed the stack on a cloud Instance as an API

Good Angel-(Platform to create your AI Avatar and Voice clone)

- Led Technical architecture discussion with the team and developed a Stack architecture that meets the companies mission
- Built the stack by using SOTA RAD-NERF,GPT-4,WAV2LIP models
- Deployed the stack on an AWS instance

AI Sales staff trainer using llama 2

- Ideated and developed a new chat algorithm and stack architecture
- Used instruction and supervised finetuning to create a Multi task head LLM
- Built a stack that interacts with sales staff by simulating a fake client and testing their skills and giving feedback

NER using BERT for medical entity extraction

- Implemented Finetuning on BERT model on medical data
- Built named entity recognition pipeline using the model

Softdrink Sales prediction using XGBoost regressor

- Led a Technical discussion with team to Identify major goals for the project.
- Executed data cleaning and analysis and Feature engineering
- Trained and deployed a predictive model that predicts sales based on a few attributes

RAG Implementation using Mistral 7B and ChromaDB

- Developed a stack that uses mistral model and Chromadb database to create a Q and A bot.
- Deployed the stack on Runpod as a serverless endpoint

EDUCATION

BSC in Electrical and Computer Engineering

Addis Ababa Science and
TechnologyUniversity | AASTU

Oct 2014 - June 2019

LANGUAGES

Amharic - Native
English - Fluent

CERTIFICATION

- Deeplearning.AI
  Tensor Flow developer specialization
  Certificate

- Using Python for research
  HarvardX
  Certificate

- Python for Data Science
  IBM
  Certificate

- Deep Learning with Keras
  IBM
  Certificate