

# LEUL ASSAMINEW

MACHINE LEARNING  
ENGINEER|DATA SCIENTIST

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

## EDUCATION

### BSC in Electrical and Computer Engineering

Addis Ababa Science and  
Technology University | [AASTU](#)

Oct 2014 - June 2019

- Software Engineering
- Neural networks and Fuzzy logic
- Data Structure and Algorithm
- Object Oriented Programming
- Full-stack Software Development

### Mckinsey Forward Program

[Mckinsey Company](#)

Nov 2022 - Jun 2023

- Adaptability and resilience in any work environment
- Building the right mindset
- Problem-solving skills
- Communicating for impact

### Consultation And Leadership

[Share Program](#)

Dec 2021 - Sep 2023 (Expected)

- Teamleader of Share AASTU 2021 program
- Did research on the local technology growth and drawbacks
- Consulted local production firms on how to manage there work places and make there workplace very productive.

## TECH STACK

R: Python| TensorFlow: keras, Scikit,Numpy,Pandas,NLTK,| Java  
Machine Learning,Matplotlib,Seaborn,Nlp,Pytorch, Deep Learning  
Aws,docker,kubernetes,pyspark,airflow

ChatBot Development : BotPress, DiagFlow ,Rasa| Stack AI,Zapier  
Airtable

Database Management : PostgresSQL, MySQL, MongoDB,  
Firebase

## AWARDS

Best internship profit improvement project at coca cola  
beverages africa [Link](#)

Top grade scorer from the Natinal exam of Ethiopia

## PROFILE SUMMARY

I am a highly motivated and experienced ai/ml engineer with a passion for creating innovative and user-friendly real world ml products and conversational ai chatbots. I am proficient in a variety of ml technologies, including Nlp, Tensor Flow, Keras, Nltk. I have a proven track record of success of delivering high-quality work and finishing my projects on time. And also experienced on using Botpress, diagflow, Rasa ,Stack.ai and IBM assistant and I am also experienced on zapier,airtable for automation. I am also a highly effective communicator and team player. I am confident that I can make a significant contribution to your company.

## CERTIFICATION

### Using Python for research

[HarvardX](#)

June 2022 [Certificate](#)

### Deep learning.AI Tensor Flow Developer Specialization

[HarvardX](#)

Aug 2023 [Certificate](#)

### Python Specliazation

[University of Michigan](#)

July 2022 [Certificate](#)

### Deep Learning Fundamentals with Keras

[IBM](#)

July 2023 [Certificate](#)

### Python Basics for Data Science

[IBM](#)

July 2023 [Certificate](#)

## LANGUAGES

Amharic - Native

English - Fluent

[Check out my work portfolio](#)

# EXPERIENCE

## Machine Learning Engineer

Coca Cola Beverages Africa | [Link](#)

March 2020 - Present

- Developed and deployed machine learning models for sales prediction, machine breakdown prediction from the ground up, finished them and kept them updated.
- Developed ai chatbots to interact with distributors and employees to collect relevant data.
- Worked on integrating 3rd party API into a flutter application.

## Machine Learning engineer

Omndena | [Link](#)

Sep 2022 - present

- Built real world ml products to solve real world problems by teaming up with professionals around the world.
- Developed and deployed a fully working coffee plant disease classification flutter application easily accessible to farmers.
- Participated on a project for potato based disease classification with my own code.

## Lab Assistant and Teacher

4k-Labs | [Link](#)

Aug 2020 - June 2022

- Managed to prepare a machine learning tutorial for beginners and did multiple ml/ai-based projects. [Book](#)
- I taught high school students the basics of machine learning and ai.
- Efficiently led multiple projects to success.

## Intern data analyst

East African Bottling share Company

Apr 2019- July 2019

- Data cleaning, analyzing and visualization.
- Building data pipeline that suit the needs of each department.

# PROJECTS

## Anti-Poaching Device

May 2022

I built a device that will be helpful in fighting poachers of endangered animals like Elephant. The device we built uses machine learning and Embedded devices to collect data from the elephant. This device have a mobile application that will be Realtime showing the data of the elephants. [Project](#)

## Sales prediction App

May 2023

I built a sales prediction application app that helps businesses track sales performance and manage their sales team. It allows sales agents to to prioritize routes for distribution of products and managers to track sales data and performance.

## Digital Manufacturing

March 2022

I organized and led a technical group to implement different technologies to create a paperless environment for coca cola beverages Africa and to transform data collection and data visualization by using mobile and web based apps.

## Mereb Mobile App

Nov 2022

In the yearly contest sponsored by mahebere kidusan, I developed an android application that uses machine learning for amharic holy music recommendation based on your previous choices and was awarded as the best issue solver application. [Project](#)

## EABSC AI chatbot

Aug 2022

I have developed an ai based chatbot for East African bottling company of Coca-Cola which is used to collect data from the employees and passes through a pipeline that cleans and analyzes it and stores it on to the companies database.

## Coffee disease classification android app

April 2023

Collaborated with ai and ml engineers to work on this project on omndena and I developed a Artificial neural network and trained it on collected data and implemented it to a flutter app with an objective to be used by small scale farmers in brazil. [Project](#)

[Check out my work portfolio](#)