

EDUCATION

**Bachelor of Science, Software Engineering,
Addis Ababa Institute of Technology (AAiT) at
Addis Ababa University**

2021 – present | Addis Ababa, Ethiopia

Joined the newly launched AI stream in my fourth year, with a focus on advanced coursework in machine learning, robotics, and intelligent systems.

GPA: 3.71

PROJECTS

AI based Freshness Detection for Fruits and Vegetables,

Computer Vision | YOLOv8 | Object Detection 

Utilized computer vision techniques and Flutter to create a mobile app to detect fruits and vegetables in real-time, and classify them as either fresh or rotten/stale. Used a deep learning technique, YOLOv8, to build the AI model and accurately identify and classify the produce based on visual cues.

Facial Recognition for a class of 50 students,

Siamese | Eigenfaces | SVMs | Tensorflow 

Collected and preprocessed a dataset comprising 50 students to compare and contrast the performances of different face recognition techniques. Mainly the techniques used were Eigenface, Fisherface, Support Vector Machines, and Siamese.

Java to MIPS Assembly Compiler,

Java | MIPS Assembly 

Developed a simple Java to MIPS converter with a user interface. Incorporated MARS simulator as a library to run the generated assembly code. Capable of converting basic Java code structures such as simple conditionals, operations, and loops.

A spam detection telegram bot,

Naive Bayes | Logistic Regression 

Built a telegram bot to detect spam messages utilizing the telegram API by combining open datasets preprocessing them and training a model with Naive Bayes and Logistic Regression.

Haleta Mobile App for Packers and Movers,

Flutter | NestJS | Prisma | Docker 

Developed a mobile application using Flutter and NestJS connecting users with reliable packaging and moving services. Implemented JWT authentication and authorization, CRUD services for leaving reviews, and getting notifications with Bloc state management for Flutter.

SKILLS

Languages

Python, Java, Javascript, Typescript, Dart

Frameworks & Tools

TensorFlow, OpenCV, Numpy, Pandas, NestJS, FastAPI, Flutter, and React

Dawit Getahun Mengistu

Junior Developer

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PROFILE

A fourth-year Software Engineering student specializing in the stream of Artificial Intelligence, equipped with solid foundations of computer science principles and advanced coursework in AI and machine learning, eager to apply and expand my technical abilities in a collaborative and innovative environment.

PROFESSIONAL EXPERIENCE

Perago Information Systems PLC,

Back-end Intern

March 2024 – June 2024 | Addis Ababa, Ethiopia

Helped design internal tools such as a database design & code-generation tool for NestJS and a tool for storing & comparing mathematical expressions along with participation in the development of an electronic governance system.

Infratech Technologies,

AI/ML Engineer Intern (remote)

April 2024 – present | Addis Ababa, Ethiopia

Currently contributing to the development of an Automatic License Plate Recognition (ALPR) system under a project for the Ministry of Transport and Logistics by utilizing image processing and deep learning techniques.

Keteme Information Technology PLC,

Junior Mobile Developer

March 2024 – May 2024 | Addis Ababa, Ethiopia

Designed and integrated a Flutter-based cart feature for a delivery service, streamlining the checkout process and enhancing user experience.

CERTIFICATES

**Certificate of Completion for 75 hours of training
in Machine Learning**

African Railway Center of Excellence at Addis Ababa Institute of Technology, 2023, September

**Certificate of Completion for 50 hours of training
in Python Programming Language**

African Railway Center of Excellence at Addis Ababa Institute of Technology, 2023, September