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PROFILE

Distinction graduate in Software Engineering from Addis Ababa University with extensive experience in both startups and international organizations. ICT internship experience at UNOPS. Currently transitioning into the AI-Software space, focusing on integrating AI solutions into real-world applications. Co-founder and full-stack developer at Sumuni Creative Solutions, driving innovation and delivering cutting-edge software solutions. Passionate about leveraging AI and technology to exceed client expectations and drive positive change. Expertise in various programming languages, web development frameworks, and AI applications.

EDUCATION

Oct 2023 – Oct 2025	MSc. in Artificial Intelligence , Addis Ababa University <ul style="list-style-type: none">I am the topper of my class. I have a 3.89 GPA to date.	Addis Ababa, Ethiopia
Nov 2017 – Aug 2022	Software Engineering , Addis Ababa University <ul style="list-style-type: none">Graduated with Great Distinction.	Addis Ababa, Ethiopia

AWARDS

16 Jul 2022	Great Distinction , Addis Ababa University <ul style="list-style-type: none">Graduated with honors, cum laude
Nov 2024	Ninja University Startup Competition , JICA <ul style="list-style-type: none">Entrepreneur training, Startup Pitch competition, and Mentorship

LANGUAGES

English	● ● ● ● ●	Amharic	● ● ● ● ●
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SKILLS

ML Models: History Summarizer, Fraud Detection, Credit Scoring, Stock Market Analysis, ROS Simulation, Computer Vision, Model Compression, Explainability | **Generative AI:** RAG System, Summarizer | **Langchain** | **RAG Systems** | **Data Modeling:** Hadoop, Apache Spark | **Explainable AI:** SHAP, LIME, Interpretability | **Data Warehouse:** Fact and Aggregations | **Data Visualization:** Metabase and other Dashboards | **Mobile Application Development:** Flutter/dart, Android/Java, Android/kotlin | **Web Programming:** HTML5, CSS3, Javascript, Spring boot, React, PHP, Golang, Vue.js, Node.js, Laravel | **Version Control:** github, bitbucket | **Programming Languages:** C#, PHP, C, JAVA, GO, PYTHON | **Data Collection:** oneUNOPSCollect | **Task Planning and Management:** Trello, Jira | **Database:** Postgres, MongoDB, MsSql, Oracle | **Networking** | **Office Instalations:** Office Setup and Meetings | **ICT Management Services** | **Windows Server** | **Active Directory** | **Google Suite Applications:** Google Sheets, Google Docs, Google Slides, Google Big Query, Google Admin | **ERP Systems:** oneUNOPS | **Other Hobbies:** ITSecurity, UI Design(Figma), CCNA

CERTIFICATES

Google Workspace Part 1 from UNOPS	Google Workspace Part 2 from UNOPS ↗
Information Security Training from UNOPS ↗	Ethics and Integrity from UNOPS ↗
Management Styles from UNOPS ↗	Project Management E-Learning from UNOPS ↗
Result Based Management (RBM) from UNOPS ↗	Google Sheets - Advanced ↗
Google Docs - Advanced ↗	Basic Asset Management (BAM) - Chapter 1 ↗
Basic Asset Management (BAM) - Chapter 2 ↗	PQMS Learning Course ↗
OneUNOPS Collect ↗	Enterprise Risk Management (ERM) in UNOPS ↗
Build your laravel Skills ↗	Building RESTful APIs in Laravel ↗
Learning PHP ↗	Flutter Essential Training: Build for Multiple Platforms ↗
React.js Essential Training ↗	Advanced Laravel
Project Management Fundamentals ↗ According to the IBM Learning Patterns system of record	Ace Your Professional Interview ↗ Job Application Essentials





PROFESSIONAL EXPERIENCE

Feb 2024 – Present	Addis Ababa University , <i>Guest Assistant Lab Lecturer</i> <ul style="list-style-type: none">Assisted in Cognitive Science for 2 semesters.Assisted in Mathematics for AI.Conducted a lab for Data Structures.	Addis Ababa, Ethiopia
Nov 2024 – present	ArifPay Financial Solutions , <i>Data Science Engineer</i> ↗ <ul style="list-style-type: none">Started and currently Leading Arifpay AI TeamCreated a Data Warehouse for their TransactionsCreated a Visualization that uses our warehouse for the Executive DashboardProcess and clean Data RegularlyE-commerce RecommendationTV News and Movie recommendations based on user interactionCurrently, we are building Fraud Detection models for Financial TransactionsWe have also built a Financial Credit Scoring Model based on transactional DataPresently building a RAG chatbot for their services	Addis Ababa, Ethiopia
Jul 2024 – present	HABTech Solutions , <i>AI Engineering Intern</i> <ul style="list-style-type: none">Built medical RAG and ML modelsIntegrated different AI Solutions to EMR for the Addis Ababa Regional Health BureauCreated a medical history summarizer for each clientBackend Engineer for CBHI Government ProjectCurrently developing a prompt-based visualization tool for their big data.	Addis Ababa, Ethiopia
May 2023 – present	Sumuni Creative Solutions , <i>Co-Founder and Full-stack Developer</i> <ul style="list-style-type: none">Utilize Flutter, React, Node, and Laravel frameworks to develop cutting-edge software solutions.Collaborate with the team to address unique client needs and deliver tailored solutions.	Addis Ababa, Ethiopia

	<ul style="list-style-type: none"> • Apply expertise in programming languages and web development frameworks to enhance user experiences and improve operational efficiency. • Take an active role in driving the success of Sumuni Creative Solutions by leveraging technology and delivering effective solutions. 	
Aug 2024 – Dec 2024	SuperStar, Mobile Developer It is a startup based in New York, I work on their Flutter mobile application. It is an app with a merge between Tiktok and LinkedIn.	New York, USA, Remove
Apr 2024 – Sep 2024	iCOG Labs, AGI Intern As an intern, I learn from local and international AGI Developers and learn methods and ways to help build AGI. I have done tasks on: <ul style="list-style-type: none"> • LLM and RAG • N-Gram • Automated Testing • Functional Programming • Genetic Algorithm • Diabetes Prediction and more 	Addis Ababa, Ethiopia
Aug 2022 – May 2023	UNOPS, ICT Intern ↗ <ul style="list-style-type: none"> • Work with Active Directory, Google Workspace, Windows Server, Network Infrastructure, Asset Management, and oneUNOPS • Closely learning oneUNOPSCollect, a data collection tool used for projects in UNOPS. 	Addis Ababa, Ethiopia
Apr 2022 – Aug 2022	Sumuni Creative Solutions, Mobile Programmer ↗ <ul style="list-style-type: none"> • Worked as a mobile developer for Android and IOS. 	Addis Ababa, Ethiopia
Aug 2022 – Nov 2022	FoodFight, Software Engineering Intern I was an intern for a 3 months. I participated on the mobile application using Flutter. It was a remote job where I did on my spare time, 20 hours per week.	California, USA, Remote
Jun 2021 – Aug 2022	Qemer Software Technology, Junior Programmer ↗ <ul style="list-style-type: none"> • I worked as a Fullstack Web Developer and Mobile Developer. I have created health and wellness applications for clients. 	Addis Ababa, Ethiopia
Jun 2020 – Jun 2022	SeEd Educational Center of Technology, Programming School Coordinator ↗ <ul style="list-style-type: none"> • Instruct young students on the basics of coding. 	Addis Ababa, Ethiopia
Jul 2021 – Nov 2021	Bitweavers, Intern Developer <ul style="list-style-type: none"> • Worked as a developer for this giant corporation specializing in hospital management applications. • Developed commercial skills working with Spring framework, Docker, and Vue.js. 	Addis Ababa, Ethiopia

PROJECTS

Jul 2024 – Oct 2024	EMR - AI Integration for Addis Ababa Regional Health Bureau <ul style="list-style-type: none"> • I have been involved in integrating different AI models for diagnosis to EMR for the Regional Health Bureau
Nov 2024 – Jan 2025	EMR - AI Integration for Addis Ababa Regional Health Bureau - Phase II <ul style="list-style-type: none"> • I have also built a RAG system Medical history summarizer currently being integrated to their EMR that uses Generative AI.

Nov 2024 – present	Fraud Detection with ArifPay Financial Solutions <ul style="list-style-type: none"> • We have built Fraud detection models to alert and block transactions before and after the fact. • It can predict based on user trends, based on preidentified suspicious sectors like betting companies.
Nov 2024 – Dec 2024	Data Warehouse Modeling <ul style="list-style-type: none"> • We built a data warehouse for our transactions integrating more than 5 databases from Gateway, POS, and Wallet transactions. • We used Apache Spark and Hadoop to process millions of transactions every day.
Apr 2024 – Jun 2024	Explainable Credit Scoring <ul style="list-style-type: none"> • This is personal research in which I used transactional data to build a robust Credit scoring model. • It uses different Explainable and Interpretable model agnostic libraries to help explain why the model gave that credit value so it not only gives credit score but also explains why it did so not black box model.
May 2024 – Jul 2024	Stock Market Analysis <ul style="list-style-type: none"> • This is a course project for Probabilistic Graphical Models. • I have researched how the stock market works starting from the earlier eras of pre-stockmarket to the dynamics now. • It uses different probabilistic models to model the stock market. • It analyzes and tries to give predictions based on the modeling.
Apr 2022 – Aug 2022	Project Sumuni  <ul style="list-style-type: none"> • AI-powered Web and App-based due diligence, business development, and matchmaking platform that connects all entrepreneurial ecosystem stakeholders to work together for better results. • I participated in the Flutter mobile application, Laravel, node and Go back-end, and React Mobile application
Aug 2021 – Mar 2022	Project Alen  <ul style="list-style-type: none"> • Mobile/web app where users can get any health-related information and services. • I used Flutter for mobile applications and Firebase auth, Firebase Firestore for database, and Firebase Storage for images.
Sep 2021 – May 2022	Project Heipeus <ul style="list-style-type: none"> • Social media application for health professionals to query and discuss all their health-related questions. • Used Flutter for users.mobile applications and React for admin control. • Used Firebase auth, Firebase Firestore and Firebase Storage
Aug 2021 – Aug 2022	Project MallEt  <ul style="list-style-type: none"> • App intended to make the buildings in Ethiopia simple to access and amusing to utilize. • Flutter Mobile application which uses Firebase Firestore to store data and uses Firebase Auth for authentication.
Aug 2022 – Nov 2022	Food Fight <ul style="list-style-type: none"> • I participate in the Flutter mobile application • Used OAuth 2.0 to authenticate users • Used firebase Storage and Firebase Firestore
Jul 2021 – Oct 2021	FixIt  <ul style="list-style-type: none"> • FixIt is a mobile application that is used to hook nearby technicians to clients. it will address different services per different categories. • Flutter mobile application for users • Angular web for admins • DOTNET and GO backend

Feb 2022 – May 2022

Crime Investigation System

- Graduation project on Crime Investigation System.
- It was built using Flutter for user mobile applications and Angular Web for Admin also uses Dotent(C#) for the backend.
- It has advanced features like live streaming to report a crime, voice commands to call emergency numbers without clicking a button, and image search to identify criminals by face. It also has CRUD operations to help the Police manage the criminal history.

🔗 PERSONAL PROJECTS AND RESEARCHES

Nov 2023 – Dec 2023

Map routing using Dijkstra's algorithm | Python [↗](#)

This report aims to show steps to explain the map routing problem and its solution using **Dijkstra's algorithm**. The problem focuses on finding the **shortest path** between locations on a map. This report will define the problem, the inputs used, and possible outputs, and the relationship between them.

Nov 2023 – Dec 2023

Linear regression and Linear Classification and Perceptron | Python [↗](#)

Used custom-made **perceptron** and other models to identify **regression** and **classify** my dataset from <https://www.kaggle.com>

Oct 2023 – Nov 2023

Assessment-on-Deterministic-Adversarial-Search | Python [↗](#)

Assessment-on-**Deterministic-Adversarial-Search** problems

Sep 2023 – Oct 2023

Assessment-on-Uninformed-Search | Python [↗](#)

Assessment-on-Uninformed-Search implemented on **Pacman** as an **agent**.

Mar 2023 – Apr 2023

Simple user data management | Flutter | Firebase | BLoC | FirebaseAuth [↗](#)

Simple **Flutter-Firebase** application with User **CRUD** operations and **BLoC** state management

Jul 2022 – Jul 2022

Team website | React | Heroku [↗](#)

Basic static React website to display information about our team and the projects we have been involved in. Hosted on Heroku.

Jun 2022 – Jul 2022

Daily Shipping | Springboot | MySQL | Java | Thymeleaf [↗](#)

Spring boot Java project for shipping and delivery services. Has a **MySQL** database and a pretty nice Thymeleaf UI.

May 2022 – Jun 2022

PicoVoice Test | Flutter | PicoVoice [↗](#)

Picovoice is the end-to-end platform for building voice products on your terms. Unlike Alexa and Google services, Picovoice runs entirely on-device while being more accurate. I used this package to test real **voice commands** to click buttons on my application.

Apr 2022 – May 2022

Chat application | Flutter | Firebase Notifications [↗](#)

Basic **Flutter** chat application with UI and **Firebase Notifications** to alert new chats for users.

Dec 2021 – Jan 2022

Food Ordering | Flutter | Firebase Real-time Database [↗](#)

Food ordering **Flutter** application that uses **Firebase** and **BLoC** State management.

Jun 2021 – Jul 2021

Reverse and Forward Kinematics On Gripper | Robotics | Gazebo | ROS

ROS project that uses a **model robot hand** and an object. The robot hand calculates the **forward and backward kinematics** to grip and move the object.

May 2021 – Jun 2021

Hospital-Management-System-In-Go | GO | Javascript [↗](#)

This is a hospital management system. Both the front end and back end are implemented in **Go**, using Bootstrap as a template to beautify the GUI.

Mar 2021 – Mar 2021

Socket programming | GO [↗](#)

Using **Go** with **Socket programming**

Jul 2020 – Aug 2020

Simple-website-on-Ronaldo-Biography [↗](#)

A simple **HTML-CSS** project on the biography of Ronaldo. Just used CSS to creatively produce a beautiful 5-page website with a newspaper touch.

Mar 2017 – Apr 2017	Adobe Photoshop  Simple beginner graphics projects using Adobe Photoshop .
Apr 2020 – May 2020	Digital-Logic-Design Simulations Simulations and tests using different simulation software to solve problems.
Jul 2018 – Aug 2018	Networking Packet Tracer  Networking designs using packet tracer to design and ping complex enterprise networks.
Mar 2019 – Apr 2019	Firestore CRUD C# Firestore I integrated C# with Firestore to implement basic CRUD operations.
Jun 2019 – Jul 2019	Blender  I used blender to create models and animations .
Feb 2018 – Mar 2018	Java-Without-Database Java  Java projects that are built without a database. This is used to test different algorithms and Object Oriented Design Principles .
Jan 2018 – Mar 2018	Java-with-Database Java Excel MySQL  Java projects with MySQL database and using Excel as a database .
May 2018 – Jun 2018	Kennedy Library and Garage Simulation Python Blender  Here there are two projects. Garage Simulation and Kennedy(The famous library of AAU built in the memory of Former President Kennedy of the USA)
Jul 2019 – Aug 2019	Chat Application with Socket Java  Java project to make a Chat application that uses Socket for real-time communication .
Oct 2017 – Nov 2017	Alberti Cipher Java Android  This is an Android app in Java used to encrypt and decrypt messages in Alberti Cipher .
Jan 2018 – Feb 2018	Election Management System Java An election management system that is implemented using Java and has a console user interface.
Jun 2019 – Jul 2020	Sorting algorithms Python  Different searching and sorting algorithms were implemented. And tested different data structures .
Jul 2018 – Aug 2018	2048 Game Python  This is a classic game called 2048 where you use arrows as controls and add the numbers in the arrow direction. And you will win when you get 2048. This is implemented in Python.
Jun 2019 – Jul 2019	Tower of Hanoi Python  This is a classic Mathematics problem. Which is used to rebuild a tower by moving from one stick to another by using third stick as a middle-ware. https://en.wikipedia.org/wiki/Tower_of_Hanoi serf here for more.
Aug 2020 – Sep 2020	Testing with Selenium Java  Automated Testing on Facebook , I used Selenium and Java to identify tags click buttons, and download photos from Facebook.
Jul 2020 – Aug 2020	Singleton implementation Java  This is a simple Java project which is used to describe singleton design pattern . There is only one model but can wear many clothes.
Aug 2017 – May 2018	Scratch  Learning basic programming concepts I learned using Scratch .
Feb 2020 – Mar 2020	Hospital Management System GO JavaScript Implemented a Hospital Management System that entertains 6 types of users , with each user different role. Used GO with javascript

⌘ REFERENCES

Dr. Adane Letta, *CEO and Assistant Professor*, HABTech Solutions / AAU
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