# Tnsae Asefa

**Disciplined and Energetic**

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As a backend developer, have more than 3 years of proven experience being comfortable working with Python, the Django framework, and SQL for building web-based applications and systems. Understanding and working according to the company's interests and coding scalable programs are my biggest strengths. And, while being a great problem solver and good team-mate, who is eager to learn new things in life.

Willing to relocate: Anywhere

## Work Experience

**Junior Backend Developer**

Anku ICT-solution - Addis Ababa

July 2019 to Present

Anku Ict-Solution

Contributed on Projects
Website for The Ethiopian Minister of Innovation

https://mint.gov.et/

Previously, Events were held on paper-based notice or were posted on a wall. This web development took more than half a year and using Python and specifically Django to work on this task, The project has made it easy to control anybody who tried to cheat attendance, made it cheap to organize the event, and played some value in contributing to the cleanness of the environment.
1. Authorized individuals can create an Event
2. Registers speakers of the event.
3. Stores data in SQL database
4. Event participants can register on to Events.
5. Admin can see who registered.
6. Checks if someone was present at the event.
7. Email similar events to attend for previous attendees.
8. Summaries about events were posted on their own blog after the event
9. Anonymous comments can be given by those who attended upvotes and down votes were given to events after the event, anonymously. and so on

Agricultural Prediction System for Sidama, Ethiopia Region

In this location, Farmers farm with a traditional form of agriculture, and have some useful knowledge and by adding it with some data-driven decisions, the team thought about solving water scarcity during droughts, by preparing for plant diseases, prices, and the demand levels for some period. This Django-

based backend project was built entirely in python. The Django backend and the Prediction system were connected using pickle also used an agile software development pattern and divided the project into microservices.

• The system can make predictions based on previously recorded data.
• Data collectors were able to collect data from farmers on their phones, easily.
• Data collected were able to be classified by whom, where, and when they were collected.
• Display the outcome of the data analysis on the front end
• Display the prediction results on the front end for the admin
• The system stores data in an SQL database.
• An authorized user can download data as a spreadsheet and upload a spreadsheet to the database for future use..
• Data Analysis Python Django SQL Microservices Agile Software Development and so on

A web based house and rental price prediction

This project was assigned to the company by the city of Addis Ababa for a website to control the price of housing. After the global pandemic Inflation has hit most of the world and due to the increase in population in cities we know that housing is not affordable anymore. This project is to solve this by taking pre-measures for what is to come, using python frameworks to understand the pattern of the data and show the responsible body what is going to come. so far, 70% of the project is completed. And, in this web-based machine learning project users can

• enter data about their salary and where they live based on their consent.
• the system can store recorded data in SQL
• the system can take an input and give an output of data in CSV format to an authorized user.
• the system does data analysis for the given input
• the system makes a prediction of the rental prices in 2 years time frame based on different locations.

## Education

**B.Sc in Computer Engineering**
Mekelle University - Tigray
September 2016 to April 2022

## Skills

• Git

• JavaScript

• Docker

• MongoDB

• Python (4 years)

• Django (3 years)

• Flask (1 year)

• Data analytics (1 year)

- Kubernetes (1 year)
- DevOps (1 year)
- SQL (3 years)

## Assessments

**Analyzing data — Expert**

October 2022

Interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data
Full results: [Expert](#)

**Basic computer skills — Expert**

October 2022

Performing basic computer operations and troubleshooting common problems
Full results: [Expert](#)