




Abenezer Alebachew Endalew


Software Engineer | Python | MERN | Flask

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 github.com/abeni-al7

Description

A passionate and driven Software Engineer eager to learn and pick up new technologies and frameworks quickly and independently. Loves working with Python, but can work with JavaScript too. Specializing in backend development with a full-stack expertise.

Projects

2024/10



VERSEWise RAG Based Biblical Chatbot


A chatbot built to provide answers to biblical questions


I helped build a RAG based chatbot as part of the Hack Addis 2024 hackaton hosted by Great Commission Ethiopia.

- I built the backend of the Content Management System that allows admins to provide content that is used as a reference for the RAG framework with Flask.
- I asynchronously connected all the content management happening in the relational database of the CMS to the Vector Database that is used by the RAG framework using Rabbit MQ as a message broker to send the information to the service that updates the Vector database based on the content in the relational database I designed.
- I implemented a user management system that enforces user access control for different API endpoints
- I dockerized the CMS backend service and made it available through docker-compose.

Our team won the hackathon and we have deployed the project on <https://versewise.io>

 and on telegram at <https://t.me/VerseWiseBiblicalBot> . We are now maintaining and building upon it as an open-source project.

CRU-RAG  [github project](#)

Web app  [web app interface to chat with VERSEWise](#)

2024/07 – present

Peniel International Church Website

A website built to fundraise for a building project the Church was undertaking

I built the website of Peniel International Church using React.js with Tailwind CSS for styling.

- I integrated Chapa as a gateway to receive donations for the building project of the Church.
- I designed the website to be responsive on both mobile devices and large screens.
- I used framer-motion to provide a smooth scrolling experience for the website

2024/09

Online Learning Platform

A web application built with Flask

I built an Online Learning Platform with a bootstrap frontend and a flask backend with user authentication, and database functionalities for account and courses storage. I have posted its demo to youtube. And I will soon deploy it.

2024/05

TutorConnect

A mobile app built with Flutter

I built TutorConnect for Android devices with real-time messaging, third-party authentication, profile building features to enable tutors and students to connect. I have posted its demo video on youtube.

2023/05

AirBnB clone

Built with Flask

I built the clone of the backend of the AirBnB with user authentication, database integration, and a simple user interface using Python Flask. I have pushed the project to github

Skills

Python

HTML

CSS

JavaScript

Flask

MySQL

MongoDB

Redis

RestAPI

NodeJS

Education

2023/09 – present
Addis Ababa, Ethiopia

BSc Computer Science

Addis Ababa University [!\[\]\(f507db636256ac11a5525ef93ec6b8d7_img.jpg\)](#)

I am a 3rd Year student specializing on my software engineering skills with a keen interest in python

ExtraCurricular

2024/10 – 2024/10

Accenture UK Developer and Technology Virtual Experience Programme on Forage - October 2024

- Completed the Developer and Technology Job Simulation where I developed an end to end understanding of the Software Development Lifecycle.
- Conducted in-depth research into emerging technology trends, particularly in the field of DevOps, demonstrating a proactive approach to staying informed about the rapidly evolving tech landscape.
- Created and delivered a compelling PowerPoint presentation analysing and comparing Waterfall and Agile methodologies.
- Designed a custom algorithm using pseudocode and effectively communicated its logic by creating a detailed flow diagram.
- Debugged a program written in Python by fixing syntax and logic errors in the code.