

# BINIYAM GIRMA ALEMU

Addis Ababa, Ethiopia | [biniam0928@gmail.com](mailto:biniam0928@gmail.com) | +251-928 259 867



## SUMMARY

A recent Computer Science graduate from Debre Berhan University CGPA of 3.38, possessing demonstrated abilities in web development and project management. Pursuing an entry-level software development role to utilize my collaborative skills and problem-solving talents in developing creative technological solutions.

## PROJECTS

Ethiopian Missing Person Locating System [\[LINK\]](#)

Jan 2025 - Apr 2025

- A comprehensive digital platform designed to enhance the efficiency of locating missing persons in Ethiopia by leveraging centralized databases, real-time alerts, and community collaboration.
- I designed and developed the full-stack application using SQLite Cloud, Express.js, React.js, and Node.js.
- Implemented key features such as user authentication, missing person reporting, and real-time notifications

Ethiopian Birr Banknote Classifier | Deep Learning Project

Mar 2025 - Apr 2025

- Developed a convolutional neural network (CNN) using transfer learning with a pre-trained MobileNetV2 model to accurately classify Ethiopian currency notes.
- Achieved a high test accuracy by implementing data augmentation, fine-tuning, and regularization techniques like dropout to prevent overfitting.
- Engineered a robust training pipeline with Keras and TensorFlow, including callbacks for early stopping and model checkpointing.

Interactive Quiz Platform [\[LINK\]](#)

Oct 2022 - Dec 2022

- A dynamic web application that allows users to take quizzes on various topics, track scores.
- Designed and developed the full-stack application using HTML, CSS,Bootstrap, JavaScript, and PHP.
- Created a user-friendly interface using Bootstrap for responsiveness andJavaScript for interactive elements.
- Created a system for admins to add/edit quizzes and view user performance

## EDUCATION

Bachelor of Science in Computer Science

Apr 2022 – Jun 2025

Debre Berhan University | Debre Berhan, Ethiopia

- **CGPA:** 3.38.
- **National Exit Exam Score:** 79%.
- **Relevant Courses:** Data Structures, Web Development, Databases, Software Engineering.

## SKILLS

Languages	JavaScript, C++, Python, and PHP.
Tools/Frameworks	React, Express, Bootstrap, and TailwindCSS.
Databases	Postgresql, Mysql.
Other Skills	User Research, People Management, Prototyping.

## REFERENCES

<b>Head, Computer Science Department</b> Mr. Weldeiyesus Ayele Phone: +251-919 186 503 Email : <a href="mailto:Weldeiyesus.Ayele@dbu.edu.et">Weldeiyesus.Ayele@dbu.edu.et</a> Recommendation Letter <a href="#">[LINK]</a>	<b>Assistant professor</b> Assoc. Beselot Yitagesu Phone: +251-911 903 010 Email : <a href="mailto:betselotyitagesu@gmail.com">betselotyitagesu@gmail.com</a> Recommendation Letter <a href="#">[LINK]</a>
--	--