

Yohannes Belay Woldeyes

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EDUCATION

B.Sc. in Computer Science | College of Natural and Computational Science, Addis Ababa University, Ethiopia
May 2022 – June 2025

- Current Overall Cumulative GPA (CGPA): 3.85/4.00
- Courses Completed: Mobile App Development, Object Oriented Programming, Fundamentals of Database, Computer Organization and Assembly Language, Calculus I and II, and Linear Algebra

SKILLS

Programming Languages: Java, C++, JavaScript, Dart, C#, SQL, Python, Html, and CSS

Frameworks & Libraries: React.js, Node.js, Spring Boot, Spring, Flutter, scikit-learn, TensorFlow, Pandas, NumPy

Database: PostgreSQL, MYSQl, MongoDB

Operating Systems: Linux, Windows

Tools: Git (Version Control)

Spoken Languages: English, Amharic

PROJECTS

Hawir (Bus Ticket & Travel Management System) | Full-Stack Web & Mobile Application (Group of 4)

- Led development of a comprehensive platform for bus agencies and travelers, demonstrating full-stack and mobile expertise.
- Designed and implemented a fully functional web application for agencies using React, TypeScript, and Tailwind CSS (frontend) and Golang (backend).
- Developed a fully functional cross-platform mobile app for travelers using Flutter and Dart.
- Engineered robust authentication and authorization mechanisms from the ground up for both web and mobile, utilizing token-based session management and securing API endpoints via Authorization headers.
- Enabled agencies to post trips, manage assets (buses, drivers), and track revenues, while travelers could search, book, and pay for trips across agencies.

To-Do Web Application | Individual Project

- Developed a Single Page Application (SPA) using React.js and implemented a RESTful backend API with Spring Boot.
- Enabled core CRUD (Create, Read, Update, Delete) functionalities for managing to-do items.

Edir Management System | JavaFX GUI Application (Group of 10)

- Designed and implemented a **JavaFX GUI application** with a **PostgreSQL** backend to digitalize community (Edir) fee payments.
- Automated notifications for community updates and enabled members to manage monthly contributions.

Student Teacher Communication System | Web Application (Group of 10)

- Developed a communication platform facilitating interaction between students and teachers using **MongoDB, Node.js, and React**.
- Implemented features for teachers to post notifications, assignments, resources, and grades, and for students to submit assignments and access materials.
- Managed **backend logic for user authentication and database interactions**.

CERTIFICATIONS AND AWARDS

- **Data Analyst Nanodegree Program | Udacity**
- **Spring Boot and Spring Framework | Udemy**
- **Gold Medal: Achieved above 600 in 12th grade National Exam | Saint Joseph School**
- **American Space Volunteer Program (ASVP) | Volunteer Program**