

## OBJECTIVE

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Eager and detail-oriented senior computer science student with a strong background in full-stack web development, seeking an entry-level software engineer position to sharpen my soft and technical skills.

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## EDUCATION

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Bahir Dar University	Bahir Dar, Ethiopia
Bachelor of Science	Expected july 2027
Major in Computer Science	

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## RELATED COURSES

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Data structures and Algorithms, Programming I and II, Databases, Operating Systems, Introduction to Networks, Computer Organization, Linear Algebra, Discrete Mathematics I, Analysis of Algorithm and Wireless Data Communication.

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## CERTIFICATES

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Fundamental of programming july 2024 – september 2024

- Developer certification, representing approximately 2 months of coursework at Udacity.com.
  - Verify: <https://drive.google.com/file/d/1MOk1NIU60WwSsMhyYbABjXX1raEmxbjN/view>
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## PROJECTS

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### Hospital Management System

#### Goals Management App, Personal Project

May 2024 - October 2024

Duration: Completed

- Prepared a comprehensive Requirement Analysis Document for the Object-Oriented Software Engineering course.
  - Implemented the system using modern frameworks, surpassing the assignment scope.
  - **Developed a three-tier architecture:**
    - **Frontend:** React.js, Bootstrap for a responsive UI.
    - **Backend:** Node.js with Express.js for business logic.
    - **Database:** MySQL for efficient data management.
  - **Key Functionalities:** Doctor and patient management, appointment scheduling, authentication systems.
  - **Project Link:** <https://github.com/yonas790/Hospital-Managements-system>
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### Amazon Full Stack Clone (Personal Project)

June 2024 - August 2024

Duration: Completed

- **Developed** a full-stack e-commerce application with React.js, Node.js, and Firestore.
  - **Key Features:**
    - User authentication with Firebase.
    - Product browsing, searching, and filtering.
    - Integrated Stripe for secure payment processing.
    - Deployed backend services on a separate hosting platform.
  - **Technologies Used:** React.js, Firebase, Stripe API, Node.js.
  - **Project Link:** <https://github.com/yonas790/amazon-full-stack-clone>
  - **Live Link:** <https://yonas-amazon-cloned.netlify.app>
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### E-commerce Website (Personal Project)

Duration: Ongoing

- Developing an advanced platform with modern features:
    - **Payment Gateway Integration:** Supports Cahpa and other gateways for Ethiopian Birr (ETB) payments.
    - **Webhook Support:** Tracks payment statuses in real time.
    - **Backend API:** Handles product management, cart operations, authentication, and order processing.
    - **Admin Dashboard:** For managing products, orders, and customer details.
    - **Customer Experience:** Personalized recommendations, secure authentication, responsive design.
    - **Cart and Checkout:** Dynamic cart with real-time pricing updates and multi-payment support.
    - **Order Management:** Real-time order tracking and history.
    - **Scalability:** Designed backend for high traffic and large product catalogs.
  - **Technologies Used:** Node.js, Express.js, React.js, MongoDB, Cahpa API, CSS, Tailwind CSS.
  - **Project Link:** <https://github.com/yonas790/e-commerce-api>
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## Zoom Clone (Personal Project)

**Duration:** Completed

- Real-time video conferencing application with features:
    - Audio and video communication using WebRTC.
    - Mute/Unmute audio seamlessly.
    - Real-time chat during calls.
    - Dynamic room creation and management.
    - Backend for multiple concurrent sessions.
    - Responsive design for desktop and mobile.
    - Hosted on local servers, with plans for online deployment.
  - **Technologies Used:** Node.js, WebRTC, Socket.io, HTML, CSS, JavaScript.
  - **Project Link:** <https://github.com/yonas790/Zoom-clone>
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## Additional Projects

- **Netflix Clone:** Fully integrated with TMDB API to fetch movies by category.
  - **Discussion Platform:** A website for students to hold discussions, similar to a chat application.
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## TECHNICAL SKILLS

**Proficient:** JavaScript and Python.

**Previous Experience:** java and c++.

**Web Development:** Responsive web design, HTML, CSS, jQuery, Bootstrap, Tailwind CSS, React, Node, and Express

**Databases:** MySQL and MongoDB

**Version Control:** Git and GitHub

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## Honours & Memberships

• Member, Innovation Center, Bahir Dar University: Collaborating on innovative technology solutions and contributing to research and development initiatives.