

## **Firafis Berhanu**

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Github: <https://github.com/Fira0985>

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### **Objective**

Aspiring software engineer with a strong foundation in frontend web development, backend web development, and expertise in the MERN stack (MongoDB, Express.js, React, Node.js), Java, Python for AI, and database engineering. Currently a fourth-year student at Haramaya University, pursuing a Bachelor of Science in Software Engineering with a GPA of 3.93. Seeking internship opportunities to leverage my technical and soft skills in a professional environment, contribute to innovative projects, and gain practical experience in full-stack software development.

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### **Education**

#### **Haramaya University**

*Bachelor of Science in Software Engineering*

Fourth Year, First semester (Current)

Current GPA: 3.93

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### **Skills**

#### **Technical Skills:**

- Frontend Development: React framework ,HTML, CSS, JavaScript
- Backend Development: Node.js, Express.js and MongoDB
- Programming Languages: Java, Python, C++
- Database Engineering

#### **Soft Skills:**

- Communication
- Teamwork
- Problem-Solving
- Time Management
- Adaptability

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## Projects:

### 1. Weather Dashboard Application

**Description:** Developed a dynamic, responsive, and visually engaging weather application that provides real-time weather updates for different cities.

**Technologies Used:** React.js, HTML, CSS, JavaScript, OpenWeatherMap API

**Features:**

**City Search:** Implemented an intuitive search functionality that allows users to input city names and retrieve current weather data.

**Weather Display:** Showcases key weather details, including temperature, weather conditions, humidity, and wind speed, with enhanced responsiveness.

**Background Adaptation:** Integrated functionality to dynamically change the background color based on the current weather condition, enhancing the user experience.

**API Integration:** Leveraged an open-source weather API (OpenWeatherMap) to fetch and display up-to-date weather information.

**Responsive Design:** Ensured the application adapts seamlessly to various screen sizes, maintaining usability across devices.

**React Framework:** Built the application using React.js to ensure efficient state management and component reusability.

**User Interface:** Designed a modern, visually appealing interface with interactive weather icons and easy-to-read data.

**Link to the project:** <https://github.com/Fira0985/Weather-App>

### 2. Tasky – Task Management Application

**Description:** A simple and intuitive task management application to help users organize, prioritize, and complete daily tasks efficiently.

**Technologies Used:**

- ✓ **Frontend:** [ React, HTML, CSS, JavaScript]
- ✓ **Backend:** [ Node.js, Express]
- ✓ **Database:** [ MongoDB]

**Features:**

- ✓ **Task Creation:** Easily add tasks with descriptions and deadlines.
- ✓ **Task Prioritization:** Assign priority levels for effective time management.
- ✓ **Task Completion Tracking:** Mark tasks as completed to track progress.
- ✓ **User-Friendly Interface:** Clean and intuitive UI for seamless task handling.

**Link to the project:** <https://github.com/Fira0985/Tasky-app>

## 2.Password Generator Project

**Overview:** This project is a password generator application that allows users to generate secure passwords and save them to a file. It is built using HTML, CSS, and JavaScript.

### Features:

1. **Password Generation:** Users can generate passwords of varying lengths with options for including uppercase letters, lowercase letters, numbers, and special characters.
2. **Save to File:** The generated password can be saved to a text file for future use.
3. **Responsive Design:** The application is designed to be responsive and user-friendly across different devices.

### Files:

- pass.html: The HTML file that provides the structure of the web page.
- pass.css: The CSS file that styles the web page.
- pass.js: The JavaScript file that handles the logic for password generation and file saving.

**Example Use Case:** A user wants to generate a secure password for a new online account. They open the application, select the desired options (e.g., length, inclusion of special characters), generate the password, and save it to a file for safekeeping.

**Link to the project:** [https://github.com/Fira0985/password\\_generator](https://github.com/Fira0985/password_generator)

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## Extracurricular Activities

### Software Engineering Club

Member, September 2023

- Collaborated with peers on software development projects.
- Participated in coding competitions and hackathons.

### Student Volunteer Organization

Volunteer, January 2024 – Present

- Assisted in organizing university events and community outreach programs.
- Provided tutoring in computer science subjects to fellow students.

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## Languages

- English – [B2 (Upper-Intermediate)]
- Oromo – Native
- Amharic – Native

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## References

Available upon request.