



## Ayne Abreham

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## SUMMARY OF QUALIFICATIONS

Enthusiastic New Graduate in Electrical and Computer Engineering, with experience as a web developer, combining a solid foundation in electronics, data communications, and digital signaling with a strong drive for excellence. A dedicated team player with a keen focus on delivering results, I bring exceptional communication, interpersonal, and organizational skills, complemented by a proactive problem-solving approach. Eager to contribute my technical acumen, web development skills, and collaborative mindset to a dynamic engineering team.

## Education

Addis Ababa Science and Technology University, Addis Ababa  
**Electrical and Computer Engineering BSC**, CGPA of 3.55

2018 - 2023G.C

**Conducted two pieces of research. First, Automatic Temperature control system as a semester project and then finally done the partial fulfillment of the requirement for the award of BSc degree in electrical and computer engineering on the title of Automatic vehicle plate number reader and gate control system.**

I passed the first university exit examination with a score of 65%.

## Internship Experience

**MERN stack Web Developer** - 27/11/2022 to 20/02/2023 G.C

**Web Development**, Addis Ababa at Addis Ababa science and technology university.

- Cooperate with designers to create clean interfaces and simple, intuitive interactions and experiences.
- Develop project concepts and maintain optimal workflow.
- Work with senior developer to manage large, complex design projects for corporate clients.

## Skill Highlights

- Project management
- Creative design
- Strong decision maker
- Complex problem solver
- Innovative
- teamwork
- communication
- Service-focused
- Time Management

## Certifications

### Certificate in "Legacy Responsive Web Design"

**freeCodeCamp.org** [Issued at 02/01/2022 ]

Address: online program (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to equip students with the languages that developers use to build webpages: HTML (Hypertext Markup Language) for content, and CSS (Cascading Style Sheets) for design. I have learned how to make web pages that respond to different screen sizes by building a Twitter card with Flexbox, and a complex blog layout with CSS Grid.

Course contents

- ✓ Basic HTML and HTML5
- ✓ Basic CSS
- ✓ Applied Visual Design
- ✓ Applied Accessibility
- ✓ Responsive Web Design Principles
- ✓ CSS Flex-box
- ✓ CSS Grid

Completed 300 hours of coursework.

### Certificate in "JavaScript Algorithms and Data Structures"

**freeCodeCamp.org** [ Issued at 11/09/2022 ]

Address: (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to equip students with the fundamentals of JavaScript including variables, arrays, objects, loops, and functions. And, apply the knowledge gained by creating algorithms to manipulate strings, factorialize numbers, and even calculate the orbit of the International Space Station.

Course contents

- ✓ Basic JavaScript
- ✓ ES6
- ✓ Regular Expressions
- ✓ Basic Data Structures
- ✓ Basic Algorithm Scripting
- ✓ Object-Oriented Programming
- ✓ Functional programming
- ✓ Intermediate Algorithm Scripting

Completed 300 hours of coursework.

### Certificate in "Front End Development Libraries "

**FreeCodeCamp** [ Issued at 07/10/2022 ]

Address: Online learning platform (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to learn how to style a site quickly with Bootstrap and how to add logic to a CSS style and extend them with Sass. In addition, to learn how to create powerful Single Page Applications (SPAs) with React and Redux.

Course contents

- ✓ Bootstrap
- ✓ JQuery
- ✓ SASS
- ✓ React
- ✓ Redux
- ✓ React and Redux
- ✓ how to add logic to CSS styles and extend them with Sass.

Completed 300 hours of coursework.

## Certificate in "Data Visualization"

**FreeCodeCamp** [Issued at 04/11/2022 ]

Address: Online learning platform (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to learn how to build charts, graphs, and maps to present different types of data with the D3.js library.

Also learn about JSON (JavaScript Object Notation), and how to work with data online using an API (Application Programming Interface).

Course contents

- ✓ Data Visualization with D3.js
- ✓ JSON APIs and AJAX

Completed 300 hours of coursework.

## Certificate in "Relational Database"

**FreeCodeCamp** [ Issued at 06/10/2021 ]

Address: Online learning platform (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to learn how to use real developer tools and software including VS Code, PostgreSQL, and the Linux / Unix command line to complete interactive tutorials and build projects.

The course start off with basic Bash commands. Using the terminal, to learn everything from navigating and manipulating a file system, scripting in Bash, all the way to advanced usage.

In addition, to learn how to create and use a relational database with PostgreSQL, a database management system, and SQL, the language of these databases.

Finally, learn Git, the version control system, an essential tool of every developer.

Course contents

- ✓ Learn Bash by Building a Boilerplate
- ✓ Learn Relational Databases by Building a Mario Database
- ✓ Learn Bash Scripting by Building Five Programs
- ✓ Learn SQL by Building a Student Database: Part 1
- ✓ Learn SQL by Building a Student Database: Part 2
- ✓ Learn Advanced Bash by Building a Kitty Ipsum Translator
- ✓ Learn Bash and SQL by Building a Bike Rental Shop
- ✓ Learn Nano by Building a Castle
- ✓ Learn Git by Building an SQL Reference Object

Completed 300 hours of coursework.

## Certificate in "Back End Development and APIs"

**FreeCodeCamp** [ Issued at 28/11/2022 ]

Address: Online learning platform (United States)

<https://www.freecodecamp.org/>

The main aim of this course was to learn how to write back end apps with Node.js and npm. Also build web applications with the Express framework, and build a People Finder microservice with MongoDB and the Mongoose library.

Course contents

- ✓ Managing Packages with NPM
- ✓ Basic Node and Express
- ✓ MongoDB and Mongoose

Completed 300 hours of coursework.

## Reference

Available upon request.

## **LANGUAGE SKILLS**

Mother tongue(s): **Amharic**

Other language(s):

**English**

**ListeningB2 - Independent User**

**ReadingB2 - Independent User**

**Spoken interactionA2 - Basic User**

**Spoken productionB1 - Independent User**

**WritingB2 - Independent User**