

# Wacil Voltaire

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## EDUCATION

University of Massachusetts Amherst

Amherst, MA

B.S. in Mathematics and Computer Science

Expected May 2025

**Relevant Coursework:** Data Structures • Web Programming • Algorithms • Statistics I • Computer Systems Principles • Mathematical Modeling • Intro Scientific Computing

**Activities:** HackUMass IX • Boxing Club • Amherst Intramural Basketball

## SKILLS

**Programming Languages:** HTML • CSS • Javascript • Go • SQL • Java • python

**Frameworks & Libraries:** TailwindCSS • Bootstrap • jQuery • React • Angular • Firebase

**Tools & Software:** Git • Github • Node.js • Power Bi • Tableau • AdobeXD • Visual Studio

## EXPERIENCE

Software Engineer | *HTML, TailwindCSS, JavaScript, React*

November 2023 - Present

*LegerLovingCare*

- **Developed** a responsive **healthcare website** with **appointment scheduling, payment processing, and insurance policy features.**
- Reduced load times by 30% using caching and lazy loading, boosting site traffic by 25% through SEO improvements
- **Collaborated with stakeholders to align the website with business goals and standards.**

Undergraduate Research Assistant — **Artificial Intelligence** | *Python*

Feb 2023 - May 2023

*University of Massachusetts Amherst*

- **Conducted research** on machine learning algorithms to predict student success rates in online courses, focusing on classification and clustering techniques.
- **Developed** predictive models using **Python and Scikit-learn**, achieving an accuracy increase of 12% over existing models.
- **Presented findings** to faculty, demonstrating insights using interactive visualizations in **Power BI** and **Matplotlib**.

## PROJECTS

Cherish Application — **Mental Health Calendar** | *HTML, CSS, JavaScript, React*

November 2024

- **Designed and built** a web application to track and promote mental health awareness using a **React-based calendar.**
- **Implemented user authentication** with Firebase, ensuring secure access to personal data.
- **Developed** customizable features allowing users to tag daily emotions and generate visual reports of trends.
- **Collaborated** with a team of 7 to refine the UI/UX design, increasing user engagement by 40% after beta testing.

Personal Portfolio Website | *HTML, TailwindCSS, JavaScript, React*

Aug 2024

- Built a modern and responsive personal portfolio website to showcase projects, skills, and experience.
- Utilized **React** for dynamic content rendering and **TailwindCSS** for rapid UI development and responsiveness.
- Implemented smooth scrolling, fade-in animations, and interactive components to enhance user engagement..
- Designed and optimized the website for accessibility, SEO, and multi-device compatibility.

Inventory Management System | *Java, Spring Boot, MySQL, React*

Oct 2024 - Present

- **Built** a full-stack inventory management system using **Java and Spring Boot** for the backend and **React** for the frontend.
- **Integrated MySQL database**, enabling the storage and retrieval of inventory data for businesses of varying sizes.
- **Developed** a RESTful API to facilitate seamless communication between the frontend and backend.
- **Automated inventory** updates using scheduled batch jobs, reducing manual errors by 15%.

## LEADERSHIP

ColorStack

Aug 2023 - Present

*Member*

- Participated in professional development and **networking events aimed at increasing diversity in tech**, collaborating with industry professionals to drive inclusivity.
- **Strengthened communication and leadership skills** through initiatives supporting underrepresented communities in technology.



