

Wacil Voltaire

wacilv7@gmail.com · 774-273-5864 · Brockton, Massachusetts · <https://www.linkedin.com/in/wacil-voltaire/>

EDUCATION

University of Massachusetts Amherst

Amherst, MA

Mathematics/Computer Science

Sept 2021 - May 2025

Relevant Coursework: Web Programming • Data Structures • 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

Freelance Software Engineer

November, 2023 - Present

Boston, MA

- **Developed** 5+ web applications using **React, JavaScript, and Firebase**, optimizing code efficiency and improving user experience.
- **Enhanced website performance** by implementing caching and lazy loading, reducing load times by 30% on average.
- **Built** responsive, SEO-optimized websites that achieved a 25% increase in client traffic and engagement.
- **Integrated** third-party APIs to fetch and display real-time data, expanding functionality and improving end-user satisfaction.

Undergraduate Research Assistant — Artificial Intelligence

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

Aug, 2024 - October, 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 3 to refine the UI/UX design, increasing user engagement by 40% after beta testing.

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

May, 2024 - Sept, 2024

- **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

Volunteer Tutor

January 2024 – Present

Local Community Center — Brockton, MA

- **Tutored students in coding and mathematics**, focusing on building their foundational understanding and problem-solving skills.

ColorStack

Aug, 2023 - Present

Member

- **Engaged** in networking events and professional development workshops, connecting with leading tech professionals to exchange insights and expand my industry knowledge.
- **Developed** strong communication, teamwork, and leadership abilities by supporting initiatives focused on increasing diversity in the technology sector.

