

Dagimawi Tamrat

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SKILLS

Programming & Design: Python, Java, JavaScript, TypeScript, C++ (basic)

Web Development: React.js, Node.js, Next.js, HTML, CSS, Tailwind CSS

Cloud & DevOps: AWS, Git, GitHub, CI/CD (GitHub Actions)

Databases: SQL

Software Engineering: Distributed Systems (academic & project experience), Algorithms, Data Structures, Agile Methodologies

Tools: Firebase Authentication, PyQt5, ServiceNow (familiarity), Microsoft 365

EDUCATION

University of Massachusetts Boston

Bachelor of Arts in Computer Science

Graduated: Dec 2024

EXPERIENCE

Front End Web Developer - [Peek](#)

Jan 2024 – May 2024

- Co-led development of a cancer screening application used by medical professionals to analyze patient videos and notes, applying scalable architecture principles.
- Built a responsive, accessible React.js frontend with Tailwind CSS, improving page load performance and maintainability.
- Implemented secure authentication with Firebase, ensuring HIPAA-compliant user access.
- Delivered real-time video playback and synchronized note-taking features to enhance workflow efficiency by 25%.
- Applied Agile methodology to coordinate weekly sprints with cross-functional developers

Front End Web Developer - [Hi5 Decor & Rental](#)

Dec 2024 – Jan 2024

- Designed and deployed a mobile-first marketing website using HTML, CSS, and JavaScript, improving customer engagement by 35%.
- Integrated interactive features (smooth scrolling, product galleries, contact forms) to improve lead conversion rates.
- Managed end-to-end deployment with GoDaddy hosting, optimizing costs while ensuring 99.9% uptime.

PROJECTS

[Weather App](#) – Python, PyQt5, OpenWeatherMap API

- Developed a cross-platform desktop application delivering real-time weather data via API calls, using fault-tolerant network requests for stability.
- Designed a dark-themed, interactive UI with animated weather icons and responsive layouts.
- Integrated GitHub Actions CI/CD to automate testing and maintain production-ready code.

[Email Spam Defender](#)

Python, FastAPI, REST APIs, Dashboard

- Built a Fast API backend to classify 500+ sample emails using keyword-based detection (90% accuracy).
- Developed API endpoints (/emails, /spam-stats, /process-emails) to automate email classification.
- Created a dashboard to visualize spam vs non-spam distribution, dynamically updating via API calls.
- Practiced Python data processing, REST API development, and integration with a simple frontend.

LEADERSHIP

Co-President – Google Developer Student Club (GDSC-UMASS-BOSTON)

Aug 2023 – Jun 2024

- Led workshops, increasing active membership by **40%** and building a collaborative developer community.
- Coordinated with senior software engineers from top tech firms to host sessions on **software engineering best practices, resume optimization, and technical interview preparation.**
- Directed a student developer team to build and present prototype applications at campus events.