

# Gerindra Adi

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## EDUCATION

**University of Massachusetts Amherst**  
*Manning College of Computer Sciences, Commonwealth Honors College*  
**B.S. in Computer Science, Minor in Comparative Literature**

**Exp. Graduation: May 2026**  
*Amherst, MA*  
**GPA:3.98**

**Awards:** Chancellor's Award Scholarship (\$16k/yr), Dean's List: Fall 2022 - Spring 2024

**Coursework:** Scalable Web Systems (*TypeScript*), Web Programming (*JavaScript*), Computer Graphics (*JavaScript*), Intro to Machine Learning (*Python*), Data Structures (*Java*), Programming Methodology (*TypeScript*), Calculus II/III, Linear Algebra

## PROJECTS

**Timeline (WiP)** | *TypeScript, React, Docker, PostgreSQL*

**Feb. 2025 - Present**

- Co-developing a multimedia journaling web app for a Scalable Web Systems course, allowing users to capture and revisit memories via a timeline interface featuring text, images, audio, and video.
- Leading front-end development using React, GSAP, TailwindCSS, and Figma for design references, while concurrently building the PostgreSQL database schema and containerizing services with Docker for streamlined deployment.
- Designing RESTful APIs and microservice modules for media handling, text storage, and authentication, with a focus on modularity, scalability, and clean service-to-service communication.

**YourCarbon** | *React, TypeScript, TailwindCSS, Vite, Node.js*

**Feb. 2025 - Mar. 2025**

- Responsive web app for tracking carbon footprint and setting limits, using Figma for design
- Crafted intuitive and aesthetic interface with TailwindCSS, emphasizing usability and accessibility
- Utilized React APIs for global state management, reducing load times during data updates
- Enhanced user experience with seamless local storage integration for persistent, user-generated data

**TacTile** | *JavaScript, CSS, HTML, IndexedDB, SQL*

**Sept. 2024 - Dec. 2024**

- Developed an interactive D&D battlemat with a focus on web technologies, implementing frontend and backend functionality and CRUD operations using IndexedDB and Sequelize
- Contributed 2000+ lines of code, collaborating with 6 teammates to ensure efficient development, version control, and user-centered design principles

## EXPERIENCE

**Undergrad Course Assistant (Intro to Computation)**

**Sept. 2024 – Present**

*University of Massachusetts Amherst*

*Amherst, MA*

- Supporting over 160 students through weekly office hours and lab sessions, reinforcing core systems programming concepts and command-line proficiency in a Linux environment.
- Debugging complex C projects using GDB, helping students write clean, maintainable, and testable code, while promoting best practices in memory management and modular development.
- Grading ~50 assignments weekly, gaining a deep understanding of diverse coding styles and strengthening code review and technical communication skills.

**President**

**Sept. 2024 – Present**

*Indonesian Student Association*

*Amherst, MA*

- Managing a team of 15 members to host 5 cultural events and fundraisers per semester, leading weekly 2-hour meetings and fostering community outreach
- Enhancing communication and leadership skills by guiding discussions, coordinating tasks among 4 specialized teams, and securing \$1,500 sponsorship through persuasive proposals

## TECHNICAL SKILLS

**Languages:** Java, Python, C, JavaScript, Typescript, HTML, CSS, SQL, IA32 Assembly, Powershell

**Technologies:** React, TailwindCSS, Vite, Node.js, Git, Docker, Sequelize, SQL, Storybook, Scikit-learn, Jupyter Notebooks, Pandas, Numpy, Linux WSL