Jawad Chowdhury

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EDUCATION

City College Of New York   New York, NY
Bachelor of Science in Computer Science, and Applied Math   *Graduation Date: May 2026*
Relevant Coursework: Intro to Database Systems, Intro to Data Science, Intro to Computing, Data Structures, Algorithms, Software Design, Probability and Statistics for CS, Applied Statistics and Probability, Discrete Math, Linear Algebra, Differential Equations

SKILLS AND INTERESTS

Languages: Proficient - Python, C++, Java, R, Typescript, Javascript, HTML/CSS, SQL - Familiar - PHP, C, C#
Frameworks and Technologies: React, Next.js, Node.js, Vue, Supabase, Firebase, MongoDB, AWS, Axios, Bootstrap, Material UI, ShadCN, Tailwind CSS, Jquery, AJAX
Interests: Building and modifying Computers and Keyboards, Video editing, and Competetive Minecraft

PROJECTS

Envolve | **HackKnight Spring 2025 Winner** | *NextJS, Supabase, Computer Vision*   March 2025
- Built and deployed platform that lets locals report environmental issues with AI-powered detection and automated outreach to appropriate authorities.
- Optimized issue classification and issue visibility, reducing manual reporting time by 60% and improving awareness.

Career Compass | *React.js, Firebase, JavaScript, Python*   September 2023 – May 2024
- Partnered with Goodwill NY/NJ to integrate "Career Compass" into their programs, expanding employment opportunities and support for people with disabilities.
- Conducted interviews with 60+ Goodwill students, gathering feedback to improve user experience and accessibility features.
- Achieved 3rd place out of 50 teams in the Zahn competition and competed in multiple other startup competitions, showcasing platform's innovation and potential impact.
- Spearheaded development of platform, with guidance from faculty and industry mentors.
- Implemented features like video-based resumes and navigation aids like a chatbot, increasing user engagement by 30% compared to other platforms.

WealthWise | **HackPrinceton Spring 2024 Winner** | *Next.js, TypeScript, Modal, Verbwire, MongoDB* March 2024
- Developed LLM-powered system analyzing student spending patterns for personalized financial insights.
- Built recommendation system that provided users with customized advice points to enhance financial decisions
- Implemented responsive designs using Next UI and Next.js for optimal performance.

HealthJourney | **HackRU Fall 2023 Winner** | *React, Node, Express, Vite, Python* September 2023 – Present
- Collaborated in a team of four to engineer an application that integrates transit data with healthcare facility information, significantly enhancing accessibility for commuters seeking medical services.
- Designed and implemented a robust backend using Node and Express, efficiently aggregating and processing transit and healthcare data from NJTransit and Google Maps API.
- Incorporated responsive and intuitive UI with React enhancing user experience.

WeatherWatch | *React, Node, Axios, OpenAI, Mapbox, NewsAPI, Javascript, CSS*   June 2023 – July 2023
- Built real-time full stack weather app in response to the Canadian wildfire's impact on NYC's air quality, providing timely and relevant weather and air quality updates.
- Integrated OpenAI to provide summaries for weather updates and local news.
- Implemented features like real-time precipitation maps, 7-day forecasts, and historical weather data.

EXPERIENCE

Unadat   July 2024 – Aug 2024
Software Engineer Intern   *New York, NY*
- Developed a dynamic profile page and resolved 90% of dark mode issues using PHP, JS/jQuery, and AJAX, enhancing user experience and UI consistency across the platform.
- Refactored codebase with PHP, JS, and SQL, improving code readability by 20% and optimizing database queries, while collaborating with UX team to implement responsive designs.
- Utilized Linear for agile project management, consistently completing assigned tickets and contributing to team's 95% sprint goal achievement rate.