

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: Database Systems, Data Science, Computing, Data Structures, Algorithms, Software Design, Probability and Statistics, 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, PostgreSQL, MySQL, AWS, Axios, Bootstrap, Material UI, ShadCN, Tailwind CSS, Jquery, AJAX, Flask

Interests: Building and modifying Computers and Keyboards, Video editing, and Competetive Minecraft

EXPERIENCE

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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.

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.

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.