

Mohammad Pervaiz

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EDUCATION

Queens College, City University of New York
Bachelors in Computer Science, Minor in Mathematics

3.83/4.0 GPA
Expected May 2027

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript, HTML/XML, CSS/SCSS

Frameworks and Libraries: React.js, Next.js, Express.js, Node.js, Three.js, Tailwind CSS, Bootstrap

EXPERIENCE

Incoming Software Engineering Intern
Bloomberg

Summer 2025
New York, NY

Software Engineering Intern
Morgan Stanley

Jan. 2025 – Jan. 2025
New York, NY

- Migrated a change validation tool to its updated version, enabling precise resource-level validation for AAP.
- Automated high-severity incident ticket validation by integrating detailed schemas for various resource types.
- Configured robust secure access controls to streamline deployments and ensure regulatory compliance.
- Developed comprehensive Python unit tests for integration points using structured test cases and mocking.

Software Engineering Intern
Dotdash Meredith

Jun. 2024 – Aug. 2024
New York, NY

- Developed key features for People, a site with **12M+** daily views, using XML, SCSS, and JavaScript.
- Integrated a dynamic mini journey carousel into Mantle, Dotdash Meredith's monorepo, cutting development time by **60%**, across **40+** brands while preserving **98%** script integrity allowing for seamless integration.
- Built reusable components for the 2024 Olympics, cutting future event development time by **40%**.
- Engineered and presented an AI integration demo for daily game generation, aligning with a company-wide initiative to boost user engagement, projected to increase revenue by **8%** and user retention by **11%**.

Software Engineering Intern
Globalizing Gender

Jun. 2023 – Aug. 2023
New York, NY

- Developed a web app for Globalizing Gender, a startup supporting survivors of gender-based violence.
- Lowered Firebase hosting costs by **10%** and boosted SEO by **14%** by lazy loading and code refinement.
- Conducted QA with Chrome DevTools and Web Vitals, cutting load time and boosting performance by **12%**.

PROJECTS

Rhythm *React.js, Tailwind CSS, Node.js, Express.js, OAuth, Spotify API, Genius API*

- Built a fully responsive music app in React.js and Tailwind CSS, integrating Spotify and Genius APIs via Axios for seamless recommendations, playlists, and lyrics, supported by a scalable Node.js/Express.js back-end.
- Gained hands-on experience in OAuth, Axios, and CORS while optimizing deployments on Vercel and Render, enhancing full-stack proficiency and refining UX through responsive design and performance optimizations.

PokéApp *Next.js, TypeScript, Tailwind CSS, Three.js, React Context API, PokéAPI*

- Built a Pokémon app leveraging Next.js and TypeScript and also featuring Three.js; A responsive Pokédex integrated with PokéAPI, and a retro Gameboy-style battle simulator powered by React Context API.
- Overcame integration challenges with client-side rendering, type definitions, and performance issues.

LEADERSHIP AND HONORS

Queens College Computer Science Tutor

Feb. 2025 – Present

- Tutored students in algorithmic programming, OOP, discrete math, and DSA, strengthening CS fundamentals, problem-solving abilities, and interview readiness through hands-on guidance and structured learning.

IAC Fellow

Jun. 2024 – Aug. 2024

- An immersive leadership program fostering tech innovation through competitive internships, mentorship, and networking. Successfully secured a \$15K grant for Let's Get Ready, a NYC nonprofit supporting educational programs for underprivileged students, by presenting a funding proposal to the IAC Foundation Board.