Mohammad Pervaiz

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EDUCATION

Queens College, City University of New York — **3.87/4.0 GPA**
Bachelors in Computer Science, Minor in Mathematics — *Expected May 2027*

TECHNICAL SKILLS

Languages: HTML, XML, CSS, SCSS, JavaScript, TypeScript, Python, Java, C++
Frameworks & Libraries: Bootstrap, Tailwind CSS, Three.js, React.js, Next.js, Express.js, Node.js, Axios
Developer Tools: Git, Github, Bash, VS Code, Chrome DevTools, Bitbucket, Jira, Vercel, Render, Figma

EXPERIENCE

Software Engineering Intern — **Jun. 2024 − Aug. 2024**
Dotdash Meredith — *New York, NY*

- Developed key features for People, a site with **12M+** daily views, using XML, SCSS, & JavaScript.
- Integrated a dynamic mini journey carousel into Mantle, Dotdash Meredith's CMS, cutting development time by **60%**, across **40+** brands whilst preserving **98%** ad & script integrity.
- Built reusable components for the 2024 Olympics, cutting future event development time by **40%**.
- Engineered an AI integration demo for daily game generation, aligning with a company-wide initiative to boost user engagement, projected to increase revenue by **11%** & retention by **23%**.

Software Engineering Intern — **Jun. 2023 − Aug. 2023**
Globalizing Gender — *New York, NY*

- Created a responsive web app for Globalizing Gender, a startup supporting survivors of gender-based violence, utilizing HTML, CSS, Bootstrap, & JavaScript to meet client needs & standards.
- Optimized Firebase hosting costs by **10%** & improved SEO by **15%** by implementing lazy loading, code minimization by eliminating unused HTML & CSS, & refining advanced meta tag strategies.
- Conducted QA to ensure functionality, performance, & UX with Chrome DevTools & Web Vitals, resulting in a **38%** reduction in page load time & a **24%** improvement in overall site performance.

PROJECTS

Rhythm — *React.js, Tailwind CSS, Node.js, Express.js, Axios, CORS, Spotify API, Genius API*

- Implemented a responsive music app using React.js & Tailwind CSS, integrating the Spotify API for personalized recommendations, playlists, & music playback, & the Genius API for song lyrics, supported by a back-end server built with Node.js & Express.js. Utilized Axios for data retrieval, OAuth with Spotify for secure authentication, & added CORS for secure resource sharing.
- Learned about full-stack development, especially with back-end servers, API integration, & OAuth. Faced challenges with back-end setup, but gained experience building & deploying apps on sites like Vercel & Render, while improving UX through responsive design & performance tweaks.

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

- Made a Pokémon app using Next.js & TypeScript, featuring a custom 3D Pokéball rendered with Three.js, a responsive Pokédex integrated with the PokéAPI via Axios & styled with Tailwind CSS, & an interactive, battle simulator with a retro Gameboy feel, managed with React Context API.
- Overcame challenges integrating Three.js, Next.js & TypeScript, resolving client-side rendering & type definition. Learned full-stack techniques in state management, type safety, & performance.

AWARDS & HONORS

IAC Fellow — **Jun. 2024 − Aug. 2024**

- Immersive leadership program designed to develop & empower leaders & innovators in technology through competitive internships, mentorship, along with educational & economic opportunities.
- Designed & presented a funding proposal to the IAC Foundation Board, securing a **$15k** grant for Let's Get Ready, a NYC nonprofit supporting educational programs for underprivileged students.

Provost Scholar — **Aug. 2023 − Present**