Mohammad Pervaiz

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EDUCATION

Queens College, City University of New York   **3.83/4.0 GPA**
Bachelors in Computer Science, Minor in Mathematics   *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   **Summer 2025**
Bloomberg   *New York, NY*

Software Engineering Intern   **Jan. 2025 – Jan. 2025**
Morgan Stanley   *New York, NY*
- Migrated a decommissioned change validation tool to its updated version, enabling precise and granular resource-level validation specifically for the Ansible Automation Platform (AAP).
- Enhanced technology change management procedures by integrating detailed schemas for resource types and facilitating automated validation of high-severity incident tickets.
- Collaborated closely with the change validation infrastructure team to configure robust secure access controls, improving deployment workflows and ensuring regulatory compliance.
- Developed Python unit tests for integration points using structured test cases and mocking.

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, and JavaScript.
- Integrated a dynamic mini journey carousel into Mantle, Dotdash Meredith's monorepo, cutting development time by **60%**, across **40+** brands whilst preserving **98%** ad and 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 **8%** and user retention by **11%**.

Software Engineering Intern   **Jun. 2023 – Aug. 2023**
Globalizing Gender   *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 to ensure functionality, performance, and UX with Chrome DevTools and Web Vitals, resulting in a **9%** reduction in page load time and a **12%** improvement in overall site performance.

PROJECTS

Rhythm   *React.js, Tailwind CSS, Node.js, Express.js, OAuth, Spotify API, Genius API*
- Built a responsive music app in React.js and Tailwind CSS, integrating Spotify and Genius APIs via Axios for recommendations, playlists, and lyrics, with a Node.js/Express.js back-end.
- Gained experience in OAuth, Axios, CORS, and deployments on platforms like Vercel and Render, honing full-stack skills and improving UX through responsive design and performance tweaks.

PokéApp   *Next.js, TypeScript, Tailwind CSS, Three.js, React Context API, PokéAPI*
- Built a Pokémon app in Next.js and TypeScript featuring Three.js, a responsive Pokédex integrated with PokéAPI using Axios, and a retro Gameboy-style battle simulator powered by React Context.
- Overcame integration challenges with client-side rendering, type definitions, and performance issues.

LEADERSHIP AND HONORS

IAC Fellow   **Jun. 2024 – Aug. 2024**
- An immersive leadership program fostering tech innovation through competitive internships and mentorship. 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.