Mohammad Pervaiz

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EDUCATION

Queens College, City University of New York — May 2027
Bachelor of Arts in Computer Science, Minor in Mathematics — GPA: 3.7 / 4.0

- Coursework: Software Engineering, Database Systems, Data Structures, Algorithms, Theory of Computation

EXPERIENCE

Bloomberg LP — Summer 2026
Returning Software Engineering Intern — New York, NY

Bloomberg LP — June 2025 – August 2025
Software Engineering Intern — New York, NY

- Built a centralized Kafka-based CDC pipeline for 26K+ employees, replacing inefficient team-specific jobs
- Implemented batch diffing and unification to deliver access-controlled updates for 3+ downstream systems
- Ensured exactly-once delivery with transactions, preventing duplicates and data loss in downstream updates
- Enabled monitoring dashboards and on-call alerts via structured logs and audit trails for poller lag and failures

Morgan Stanley — January 2025 – February 2025
Software Engineering Intern — New York, NY

- Updated a validation API with new fields and schema checks, preventing errors before retiring the system
- Prevented outages by blocking invalid payloads, ensuring data integrity for downstream trading systems
- Wrote unit tests for dev and worked with compliance to meet regulatory requirements before production roll-out

People Inc — June 2024 – August 2024
Software Engineering Intern — New York, NY

- Shipped user-facing features for *People.com* (8M+ daily visits) and *Entertainment Weekly* (1M+ daily visits)
- Integrated a reusable mini journey carousel into People Inc's monorepo, reducing dev time across 40+ brands
- Scaled features to 270M+ monthly viewers while preserving ad script integrity to protect revenue streams
- Reduced future engineering effort for special events by designing reusable components for the 2024 Olympics

LEADERSHIP

Code For All — May 2024 – Present
President — New York, NY

- Led a 2,000+ member tech club, organizing workshops and events for students at and beyond Queens College
- Organized Hack Knight, a 48-hour biannual hackathon with 600+ applicants from 50+ colleges nationwide
- Secured sponsorships from Bloomberg, Capital One, C4 Energy, Major League Hacking, CodePath, and CUNY

IAC — June 2024 – August 2024
Fellow — New York, NY

- Selected as 1 of 20 nationwide for IAC's leadership program, fostering tech innovation, growth, and networking
- Secured a $15K grant for Let"s Get Ready, a NYC college-access NPO, by presenting to the Foundation Board

SKILLS

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

Frameworks: FastAPI, Express, Node.js, Next.js, React, Tailwind CSS, Pytest

Technologies: Confluent Kafka, PostgreSQL, MongoDB, Redis, Docker, Git, Linux/Bash, Grafana/Humio