

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: 3.73

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

EXPERIENCE

Bloomberg L.P.

June 2026 - August 2026

Incoming Software Engineering Intern

New York, NY

Bloomberg L.P.

June 2025 - August 2025

Software Engineering Intern

New York, NY

- Deployed a Kafka-based Change Data Capture (CDC) pipeline serving 26K+ employees, replacing inefficient and costly per-team snapshot jobs with a centralized, fault-tolerant, auditable feed for near real-time updates.
- Designed an event-driven architecture publishing standardized database changes to an access-controlled output topic and implemented batch diffing and unification, providing a reliable source for 3+ downstream systems.
- Achieved exactly-once delivery via transactions and idempotent processing, preventing duplicates and data loss.
- Enabled monitoring dashboards and on-call alerts via structured logs and audit trails for poller lag and failures.

Morgan Stanley

January 2025 – January 2025

Software Engineering Intern

New York, NY

- Updated a Change Execution Validation API tool, adding new fields, removing deprecated ones, and implementing schema validation to ensure compatibility and compliance before legacy API decommissioning.
- Prevented outages by blocking invalid payloads, ensuring complete and valid data for thousands of traders.
- Collaborated with compliance teams and wrote unit tests to validate changes in dev before production rollout.

Dotdash Meredith

June 2024 – August 2024

Software Engineering Intern

New York, NY

- Developed features for [People.com](https://www.people.com), a site with 8M+ daily visits, using XML, SCSS, and JavaScript.
- Integrated a dynamic mini journey carousel into Dotdash Meredith's monorepo, greatly cutting future development time across 40+ brands while preserving full ad script integrity allowing for seamless integration.
- Reduced development time for future special events by designing reusable components for the 2024 Olympics.
- Built and presented to executives an AI demo for daily games, supporting an initiative to boost engagement.

SKILLS

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

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

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

LEADERSHIP

Code For All President

May 2025 – Present

- Led a 2,000+ member tech club, organizing workshops and events for students at and beyond Queens College.
- Organized Hack Knight, a hackathon sponsored by Bloomberg, Capital One, C4 Energy, MLH, and CodePath.

IAC Fellow

June 2024 – August 2024

- Completed an immersive leadership program on tech innovation, mentorship, and networking opportunities.
- Secured a \$15K grant for Let's Get Ready, a NYC nonprofit, by proposing to the IAC Foundation Board.