

FARHAN M KHAN

Farhan.khanev@gmail.com | 929 510 5046 | New York, NY | linkedin.com/in/farhan-khan

EDUCATION

CUNY Hunter College — *B.A. Computer Science, Minor in Mathematics* | *Dean's List* | *3.5 GPA* Expected May 2027

Coursework: Data Structures & Algorithms, Applied Statistics, Data Analysis with Python/Pandas, SQL & Databases

PROJECTS

Cross-Venue Prediction Market Arbitrage Research Platform — *Python, FastAPI, WebSockets, asyncio, Pytest*

- Built an end-to-end prediction-market platform that hunts actionable mispriced pair-markets between Kalshi and Polymarket concurrently on their order books, with secure API authentication, contract-matching protocols, a robust paper-trading simulator, and a fully implemented but gated live-order executor
- Developed an execution-aware paper-trading model incorporating venue fees, network and cross-venue latency, available order-book depth, partial fills, failed orders, and price movement to separate theoretical arbitrage from practically executable opportunities
- Ran a 24-hour stress test across 97 verified contract-equivalent pairs, processing 2.9M daily average order-book rows at 52 ms median leg skew and delivering a data-backed no-go decision after no pair showed a repeatable, executable edge; repaired a bid/ask normalization defect, backfilled affected data, and expanded regression coverage within a 395-test suite

NYCHappyHours.org — *JavaScript, Supabase/PostgreSQL, Cloudflare*

- Built and operate a live NYC discovery platform featuring 1,000+ confirmed happy-hour schedules across 2,300+ venues, with map and list search, geolocation, and real-time last-call countdowns; attracted 100+ users since launching in July 2026
- Engineered a Supabase/PostgreSQL ingestion and operations layer for venue normalization, secure live editing, and bidirectional data exports; introduced a stable identity-signature registry that prevents reordered records from breaking saved spots, deep links, and QR codes

PROFESSIONAL EXPERIENCE

CUNY Hunter College — *Data & Reporting Assistant*

Jan 2025 – Present | New York, NY

- Replaced a manual reporting process spanning tutors, staff, and director review with a Google Sheets system that automatically updates reports across 6+ language sections as staff enter data
- Migrated thousands of student records from paper and digital sources into a structured Excel system, automating cross-sheet reporting across 400+ active records using VLOOKUP, SUMIF, and date logic

Evergreen Realty and Investments — *Data Analyst Intern*

Summer 2024 | Atlanta, GA

- Built a Python pipeline ingesting thousands of real-estate listings from the Remine API, normalizing JSON responses and joining them with public housing, income, tax, and utility datasets in pandas
- Developed affordability models covering home prices, appreciation, income-to-mortgage ratios, and first-time-buyer thresholds, powering internal analysis and client-facing reports

Enercon Consultants — *Sales & Marketing Intern*

Summer 2023 | New York, NY

- Parsed public business datasets to identify qualified leads across the tri-state area and built a semi-automated Apollo outreach pipeline, generating 20+ qualified leads, a 15% response rate, and one signed contract

SUNY Downstate — *Project Aide*

Jun 2022 – Feb 2023 | New York, NY

- Designed and facilitated 50+ community health workshops averaging 20 participants, owning curriculum, slide decks, and live Q&A while translating clinical material for non-expert audiences

LEADERSHIP & FELLOWSHIPS

Treasurer, Computer Science Club — *CUNY Hunter College* | Partnerships, fundraising, budget

2026 – Present

Fellow, America Needs You — *Selective two-year fellowship for first-generation students*

Aug 2025 – Present

SKILLS

Languages: Python, C++, SQL, JavaScript, HTML/CSS

Backend & Data: FastAPI, REST APIs, WebSockets, async Python, pandas, Supabase/PostgreSQL, Parquet/DuckDB

Tools & Practices: Pytest, Git/GitHub, Google Sheets/Excel (VLOOKUP, pivots, macros)