Aryan Jain

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EDUCATION

Binghamton University, Thomas J. Watson College of Engineering and Applied Science
Bachelor's of Science in Computer Science | Bachelor's of Arts in Mathematics   *Expected May 2026*
Overall GPA: (3.4/4.0) | SAT Score: 1590

RELEVANT EXPERIENCE

Binghamton Research Immersion Honors Program: Image and Acoustic Signals Analysis Stream   **Vestal, NY**
Researcher   *August 2022 - Present*
- Spent 10+ hours each week over the course of three semesters programming, asking questions, and creating increasingly difficult and relevant Computer Visual and Machine Learning projects using Python.
- Outside of lab and programming time, held meetings with 5 peers to work on a professionally researched project about AI Housing Bias and Facial Recognition Bias.
- Created our own AI model to counteract bias in the housing market and in facial recognition technology[1].

JPMorgan Software Engineering Virtual Experience Program on Forage   **Virtual**
Virtual Experience Participant   *August 2023*
- Used Perspective data visualization software, Python, and Typescript to monitor stock market price trends and create stock trading strategies

Private Tutoring   **Virtual**
Tutor   *December 2019 - May 2023*
- Guided pupils in any and all subjects they needed help in, and provided prep/advice for SAT and college applications.
- Spent extra time outside of paid class time to create a unique curriculum, lessons, and small homework assignments.

Institute of Creative Problem Solving   **Old Westbury, NY**
Researcher   *September 2015 - June 2021*
- Created a math research paper while working under a professional math researcher and received a gold medal placement in Long Island's largest math research competition[2].
- Developed logical thinking and research skills at SUNY Old Westbury under mathematicians from around the country.

LEADERSHIP ACTIVITIES

Asian Student Union   **Binghamton University**
Marketing Chair   *May 2023 - Present*
- Planned, managed, and publicized the largest social and cultural events for the Asian American sector of the school.
- Created and spearheaded a discussion event discussing Asian Diaspora, facilitating a discussion with 30 participants, fostering an open and engaging environment for diverse discussion

Delta Epsilon Psi Inc. (Social and Service Fraternity)   **Binghamton University**
Vice President, Social Chair, Fundraising Chair, Service Chair   *November 2022 - Present*
- Organized various large scale fundraising events such as Binghamton's Holi under sponsors like Krispy Kreme and Monster Energy to donate to charities like the Juvenile Diabetes Research Foundation.
- Worked with the rest of the executive board and brothers to plan and execute various private or open social events and develop vital relationships with other campus organizations

Mu Alpha Theta (Math Honor Society)   **Hicksville High School**
President   *September 2021 - June 2022*
- Created biweekly interactive mathematics presentations on various problem solving mathematics applications to foster curiosity and deeper interest in a cafeteria full of 100+ students
- Organized, competed, and placed in nation-wide individual and team-based mathematics problem-solving competitions

String Ensemble   **Hicksville High School**
Treasurer, Cellist   *September 2020 - June 2022*
- Highly selective, audition-based chamber group that spent holiday breaks and many days a week after school practicing and performing for every school activity, spending time outside that to fundraise for the group
- Competed in NYSSMA Majors and together received a Gold Medal with Distinction after years of nonstop practice, individual development in musicianship, and team bonding
- Joined Binghamton University's Symphony Orchestra to continue enhancing my skill and passion for cello

SKILLS

Languages: English (Native), Hindi (Spoken), Spanish (Elementary)
Programming: Python, Java, C++, C, HTML/CSS, LaTeX, GDB, x86 Assembly, JavaScript, TypeScript
Relevant Coursework: Operating Systems, Data Structures and Algorithms, Computer Architecture, Functions of Complex Variables, Number Systems, Calculus 3, Linear Algebra

PROJECT LINKS

(1) [Project Portfolio Website](#) (2) [Al Kalfus Long Island Math Fair Gold Medal Paper](#)