

# 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

Overall GPA: (3.4/4.0) | SAT Score: 1590

Expected May 2026

## 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<sup>1</sup>

### 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<sup>2</sup>
- 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, Multivariable Calculus, Linear Algebra

## PROJECT LINKS

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