

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

Expected May 2026

SKILLS

Languages: English (Native), Hindi (Spoken), Spanish (Elementary)

Programming: Python, JavaScript, Java, C++, C, HTML/CSS, LaTeX, GDB, x86 Assembly, TypeScript, REST

Relevant Coursework: Operating Systems, Data Structures and Algorithms, Computer Architecture, Complex Analysis, Number Systems, Multivariable Calculus, Linear Algebra

TECHNICAL EXPERIENCE

HackBU Hackathon 2024

Vestal, NY

Participant

February 2024

- Collaborated in a 24-hour hackathon to develop Foodi, a mobile-phone-compatible web app for tracking macronutrients in food
- Utilized React.js for the frontend, Node.js for the backend, and trained a machine learning model to identify common foods
- Awarded 2nd Best Hack among diverse teams including undergraduates, graduates, and Ph.D. students¹

Inductive Health

Atlanta, GA

Software Developer Intern

May 2023 - August 2023

- Led cross-functional teams in developing scalable server-side applications for healthcare informatics
- Ensured data integrity, performance, and security in application databases through comprehensive testing
- Spearheaded automated build and deployment processes (collaborated with DevOps team), enhancing software reliability and integration

Binghamton Research Immersion Honors Program: Image and Acoustic Signals Analysis Stream

Vestal, NY

Researcher

August 2022 - December 2023

- Directed a team of 5 peers in research meetings and spearheaded the development of machine learning and image analysis models to tackle AI Housing Bias and Facial Recognition Bias, resulting in professionally researched projects²

JPMorgan Software Engineering Virtual Experience Program on Forage

Virtual

Participant

August 2023

- Utilized Perspective data visualization software, Python, and Typescript to monitor stock market price trends and create stock trading strategies

Institute of Creative Problem Solving

Old Westbury, NY

Researcher

September 2015 - June 2021

- Utilized advanced geometric and trigonometric theory to discover the solution to the 'Treasure Map Problem', resulting in a gold medal-winning research paper at Long Island's largest math research competition³

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 regarding 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

- Orchestrated fundraising events and secured sponsorships for philanthropic initiatives, including Binghamton's Holi festival

Projects

Weather App | *Independent Project*

Fall 2023

- Created a weather API project in Node.js, deployed on Render, serving as an early practice in frontend development and API integration²

Floating Point | *Class Project*

Spring 2023

- Explored IEEE floating point numbers, mastered bit manipulation in C, and gained expertise in number type conversions²

Pokemon 1v1 | *Independent Project*

Spring 2023

- Implemented a Python program for Pokemon 1v1 battles, randomly generating and displaying two Pokemon, with images displayed via URL splicing, OpenCV, and NumPy²

Project Links

- (1) [Foodi](#) (2) [Project Portfolio Website](#) (3) [Al Kalfus Long Island Math Fair Gold Medal Paper](#)