

# Aakarsh Gupta

1715 Broadway, New Hyde Park, NY 11040

✉ aakarshgupta507@gmail.com ☎ 347-893-7163

in [guptaaakarsh](#) & [aakarsh507.github.io](#)

## EDUCATION

**New Hyde Park Memorial High School** New Hyde Park, New York  
*Cumulative, GPA 95.25 (unweighted) 99.79 (weighted), Expected to Graduate 2023*

### Honors:

- High Honor Roll Student
- Inducted into National Junior Honor Society, National Science Honor Society, National Technical Honor Society, National Social Studies Honor Society, National Math Honor Society, and National English Honor Society
- Awarded Rochester Institute of Technology Computing Medal/Scholarship

## EXPERIENCE

**Educator | Long Island Children's Museum** Garden City, New York *August 2022 - Present*

- Interact with children, parents, and caregivers at various interdisciplinary exhibits & assist in play-based learning on the museum floor.

**Product Development Intern | Comet** Santa Clara, California (remote) *July 2022 - September 2022*

- Comet is an all-in-one task manager that helps students choose their major, find the right colleges, and keep track of their college apps.
- Participated in user tests following CTO's guidelines and contributed to product development by providing critical feedback & thoughtful recommendations
- Collaborated with engineers and other departments to develop effective strategies and test plans
- Created a web application to display colleges in a simple and interactive way and conducted a market audience survey to understand how to solve a problem related to preparing for college.

**Program Member | National Summer Transportation Institute** City Tech, New York *Aug 2021*

- Provided us with projects to complete and introduced engineering fields related to the transportation industry: Civil and Aerospace Engineering
- Awarded best accolade for final presentation

**Intern | AP Consulting PLLC** New Hyde Park, New York (remote) *July 2021 - August 2021*

- Analyzed AutoCAD building plans, outlined the details, and submitted via NYC DOB portal for approval.

## VOLUNTEERING

**Long Island Children's Museum** Garden City, New York *June 2022 - August 2022*

- Assisted alongside educators, helped guide tours, and aided/taught young children.

**PAL** New Hyde Park, New York *September 2021 - November 2021*

- Instructed 4<sup>th</sup> and 5<sup>th</sup> graders to the basics of tennis

**NHP Enrichment Camp** New Hyde Park, New York *July 6, 2021 - July 30, 2021*

- Mentored upcoming students as well as serving as an assistant staff

**Tutor** New Hyde Park, New York *March 2021 - Present*

- Taught peer and junior students on various coursework material

**Masbia Soup Kitchen** Forest Hills, New York *February 2021 - July 2021*

- A Soup Kitchen Network and food pantry providing hundreds of New Yorkers with fresh meals.
- Assisted in the supply of nutritious meals to our customers, including hot meals and groceries.

## ACTIVITIES AND LEADERSHIP EXPERIENCE

**Varsity Boy's Tennis** *March 2021 - Present*

- 2021 Conference Champions | Double's Player

**SCHSD Robotics Club** *September 2020 - Present*

- Worked on robots as designer/builder & competed in FIRST FTC robotics competition
- Served as a mentor to new members of the club
- 2021 Long Island Regional Robotics Competition Awards
  - 1st Place Control, 2nd Place Inspire, 2nd Place Top Ranked, 2nd Place Compass, 3rd Place Connect, & 3rd Place Promote
- 2022 Long Island Regional Robotics Competition Awards
  - 1st Place Connect, 2nd Place Think, 2nd Place Inspire, & Winning Alliance

**Hindu Student Association** *September 2019 - Present*

- Treasurer (2019 - 2020) | Secretary (2021 - 2022) | President (2022 - Present)
- Organize culture activities, manage social media pages, and arrange meetings.

**Mathletes** *September 2019 - June 2021*

- Vice President in Junior High Mathletes (2019-2020)

**St Jude's Research Fundraiser** *April 2021 - June 2021*

- Raised \$2,000 for St Jude's Research through social media

## SKILLS

- MS Suite (Word, Excel, PowerPoint)
- G Suite (Drive, Sheets, Slides, Docs)
- Web Page Design (HTML, CSS, JS)
- Programming (Python, C++)
- Tools (Visual Studio Code, GitHub)
- CAD (AutoCAD, VCarve, OnShape)
- OS (Linux, Windows, IOS)
- Arduino
- Raspberry Pi
- Soldering
- Laser Cutter
- ShopBot
- DaVinci Resolve

## PROJECTS

### NASA TechRise Student Challenge

January 2022 - July 2022

- Accepted into the NASA TechRise Student Challenge.
- Created an instrumentation package composed of various sensors to measure:
  - Ozone, Carbon Dioxide, Volatile Organic Compounds, and PM2.5 to demonstrate the effects of climate change
- Worked closely on:
  - PMSA003I and DPS310 sensors
  - Harvard University environmental chamber test
  - Final integration/assembly.

### Biometric Garage Door Opener

June 2022 - July 2022

Skills: Arduino, Laser Cutter, C++, VCarve, AutoCAD, and Soldering

- Created a fingerprint access garage door opener using the Arduino Uno and designed a storage unit for the final product.

## CERTIFICATIONS

*Software Engineering Virtual Experience*

**JPMorgan Chase & Co.** August 2022

- Interface with a stock price data feed
- Use JPMorgan Chase frameworks and tools
- Display data visually for traders

*Engineering Virtual Experience Program*

**General Electric** August 2022

- Energy: Power Generation
- Healthcare
- Aviation Systems

## LANGUAGES

English [Native or bilingual proficiency]

Hindi [Native or bilingual proficiency]

Spanish [Limited working proficiency]