Aakarsh Gupta
New Hyde Park, NY

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EDUCATION
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New Hyde Park Memorial High School New Hyde Park, New York
Cumulative, GPA 95.8 (unweighted) 99.3 (weighted), Expected to Graduate 2023
Honors:
- 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
- 2021 Long Island Regional Robotics Competition Awards
  - 1st Place Control Award, 2nd Place Inspire Award, 2nd Place Top Ranked Award, 2nd Place Compass Award, 3rd Place Connect Award, & 3rd Place Promote Award
- 2022 Long Island Regional Robotics Competition Awards
  - 1st Place Connect Award, 2nd Place Think Award, 2nd Place Inspire Award, & Winning Alliance
- Awarded Rochester Institute of Technology Computing Award

EXPERIENCE
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Educator | **Long Island Children's Museum** Garden City, New York   *August 2022 - Present*
- Engage with children, parents, and caregivers at various interdisciplinary exhibits & assist in play-based learning on the museum floor.

Intern | **Comet** New Hyde Park, New York (remote)   *July 2022 - Present*
- Participate in the early stages of product development, get insight into the start-up process, learn about new subjects, and share suggestions that will ultimately shape the service.
- Conducted a market audience survey to understand how to solve a problem related to preparing for college.
- Created a web application to display colleges in a simple and interactive way.

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.
- 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
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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 4th and 5th 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*
- Helped peer and junior students on math or science courses

Masbia Soup Kitchen Forest Hills, New York   *February 2021 - July 2021*
- A non-profit 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
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Varsity Boy Tennis   *March 2021 - Present*
- 2021 Conference Champions | Double's Player

SCHSD Robotics Club   *September 2020 - Present*
- Engineering Notebook, Designer, and Builder

Hindu Student Association   *September 2019 - Present*
- Treasurer (2019 - 2020) | Secretary (2021 - 2022) | President (2022 - Present)

Spanish Club   *September 2019 - Present*

Mathletes   *September 2019 - June 2021*
- Vice President in Junior High Mathletes (2019-2020)

St Jude's Fundraiser   *April 2021 - June 2021*
- Raised $2,000 with one other for St Jude's Research

SKILLS
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- MS Suite (Word, Excel, PowerPoint)
- G Suite (Drive, Sheets, Slides, Docs)
- Web Page Design (HTML/CSS)
- Programming (Python, C++)
- 2D CAD (AutoCAD, VCarve)
- OS (Linux, Windows, IOS)
- Arduino
- Raspberry Pi
- Soldering
- Laser Cutter
- ShopBot
- DaVinci Resolve

PROJECTS
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NASA TechRise Student Challenge
January 2022 - July 2022
- Accepted into the NASA Techrise Student Challenge.
- Created an instrument package composed of various sensors to measure ozone, carbon dioxide, volatile organic compounds, and PM2.5 to demonstrate the effects of climate change and global warming. We also plan to capture videos and images alongside the data capture.
- Worked closely on:
  - PMSA003I and DPS310 sensors
  - Harvard University test procedure
  - Final integration/assembly.

Fingerprint Garage Door Opener
June 2022 - July 2022
- Created a fingerprint access garage door opener using the Arduino Uno and created a storage unit for the final product.

CERTIFICATIONS
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Software Engineering Virtual Experience
JPMorgan Chase & Co.   August 2022
Tasks Completed include:
- 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
Tasks Completed include:
- Energy: Power Generation
- Healthcare
- Aviation Systems

LANGUAGES
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English [Native or bilingual proficiency]
Hindi [Native or bilingual proficiency]
Spanish [Limited working proficiency]