

AANYA GUPTA

STUDENT

San Francisco, CA | aanya.r.gupta@gmail.com

KEY SKILLS

Data & Analysis: Python,
R, Excel/Google Sheets,

Wolfram

Design & Prototyping:

Fusion 360 (CAD),

Blender, Canva,

Wordpress, HTML/CSS,

BioRender.com

Productivity &

Collaboration: Notion,

Google Suite, Microsoft

Suite, Git, Overleaf

(LaTeX)

Development: Java,

C++, Linux, Wolfram

Languages: English,

Hindi, Spanish

(conversational)

EDUCATION

2021-2027

STANFORD UNIVERSITY

ONLINE HIGH SCHOOL

GPA: 3.98/4.0

2021 - 2027

MISSION COLLEGE

GPA: 4.0 / 4.0

2021 - 2027

SAN MATEO

COMMUNITY COLLEGE

GPA: 4.0 / 4.0

EXPERIENCE

Wolfram Institute

Researcher

JUNE 2025 - PRESENT

- Selected as 1 of 65 students for the 2025 Wolfram Summer Research Program (WSRP).
- Developed a computational framework to study how joint constraints affect transitions between dancer poses; narrowed focus to modeling meniscal tears using cellular automata and grid-based methods.
- Published a computational essay on Wolfram Community; Presented research 6x, including at the Golden Gate STEM Fair, California Science & Engineering Fair, and Texas A&M Math Conference; earned 2nd Place and Honorable Mention at the two science fairs, respectively.

AEGYS

Chief Technology Officer

JULY 2026 - AUGUST 2026

- Selected as 1 of 55 students for BBAY 2026.
- Founded a venture developing smart compression sleeves that alert athletes to overexertion risk and help prevent overuse injuries; Designed and prototyped an original sleeve concept through CAD modeling, research, and iterative development.

Wolfram Emerging Leaders Program

Student, Teaching Assistant

JUNE 2025 - JULY 2026

- One of 30 students selected for WELP in 2025; Developed a computational model analyzing voting system's susceptibility to paradoxes.
- Received Teaching Assistant training, returning as a TA during WSRP 2026:
 - Mentored students through intensive 3-week computational research projects by providing debugging support, coding guidance, and project ideation feedback.
 - Organized social activities for groups of 15-30 students; acknowledged in 16 student computational essays.

UCSF AI4All Intern

Internship

JUNE 2026 - JULY 2026

- One of 26 students selected for UCSF's AI4All program in 2024.
- Performed Research Testing; Experimented and developed a Multi-Layer Perceptron Model; Performed hyperparameter optimization and feature engineering; Presented findings in front of 30+ students and UCSF professors/faculty; Collaborated with 4 other student researchers

Text-Based Early Distress Detector for Youth - T.E.D.D.Y.

Technovation Finalist

JUNE 2026 - JULY 2026

- Developed T.E.D.D.Y. which aids teachers/counselors in identifying early signs of mental-health concerns by analyzing student reflection essays for negative sentiment and depression-related language patterns; Developed online presence
- Selected as 1 of 5 finalists, for Technovation World Summit to pitch live.

SF Day School, Fruits of Hope, Stanford OHS

Mentor, Peer Tutor, Teaching Assistant

SEPTEMBER 2022- PRESENT

- Mentored 3 First Lego League (FLL) teams within the SF Day School and 1 rookie team in Austin, Texas; Mentored an under served FLL team in Rwanda
- Host exam review sessions, weekly office hours, and one on one tutoring appointments
- Peer Tutor for 12 OHS courses, Teaching Assistant for 5 OHS courses

PUBLICATIONS

<https://community.wolfram.com/groups/-/m/t/3498889>

<https://community.wolfram.com/groups/-/m/t/3641212>

https://ohsobserver.com/staff_name/aanya-gupta/

<https://www.chitreshdasinstitute.org/blog/voices-from-youth-company-art-for-the-planet-in-action>

EXTRA CURRICULARS

Chitresh Das Institute

JANURARY 2015 - PRESENT

Senior Youth Company Member

- Performed with a youth company at 5 international dance festivals alongside professional ensembles and opened for 8 professional Chitresh Das Dance home season performances.
- Performed at 32 events from 2021-2026, including solo performances at the Royce Rolls School Outreach Event and Stanford Online High School Pixel Festival.

Robotics Club

SEPTEMBER 2021- PRESENT

Vice Captain, Outreach lead, Member

- Designed CAD components and contributed to robot construction; developed software for Autonomous, Drive, and Control systems.
- Led team outreach initiatives: mentoring 5 FLL teams and organizing coding, AI, physics, and math workshops for girls in robotics and STEM.
- Supported team members in achieving their personal goals throughout the season.

Science Research Club

SEPTEMBER 2021- PRESENT

Co-leader and Founder

- Removed barriers to submission for online school students to science fairs; Conducted 15 person guest speaker series; Growth of club from 2 to 30+ students; Supported students through ideation process

Observer

SEPTEMBER 2021- PRESENT

Editor-In-Chief, Associate Editor, Staff Writer

- Author articles covering school news/STEM; Manage 5-6 student team, ensure team is on track for publication; Spearheaded the creation of the Riddle Room and contributed games to it
- Oversee the full publication, from story discussions to final edits; publish articles and staff bios to the final SNO website

Yearbook Club

SEPTEMBER 2021- PRESENT

Managing Editor, Copy Editor, Member

- Create spreads for the yearbook each year; Review yearbook at the end as a copy editor
- Tracked staff deadlines, ran monthly progress check-ins, supported members

Ethics Bowl Club

SEPTEMBER 2021- PRESENT

Competitive Team Member

- Contribute to weekly discussions in the club. Lead whole club meetings once a month, mentoring younger ethicists during weekly school-year meetings.
- Compete in Ethics Bowl Competitions (3); Hosted the Cyber-ethics workshop for ~75 students

AWARDS

- Berkeley Business Academy for Youth at HASS Community Award Winner (2026)
- California Science & Engineering Fair, Senior Division Honorable Mention (2026)
- Golden Gate STEM Fair Senior Division 2nd Place (2026)
- Pan American Ethics Olympiad, International Honorable Mention (2026)
- Alameda County STEM Fair, Senior Division 3rd Place (2025)
- Golden Gate STEM Fair, Senior Division 3rd Place (2024)
- Technovation Finalist (2023)
- NCWIT Aspirations in Computing National Honorable Mention (2024-2025)
- NCWIT Aspirations in Computing Affiliate Winner (2024-2025 & 2025-2026)
- Wolfram Community Staff Picks (2025, 2026)
- NAQT Nationals 65th place (2024, 2025)
- FTC Connect Award (2024)