

TANAY AGRAWAL

27tanaya@students.harker.org ♦ tanayagrawal.xyz

EDUCATION

The Harker School

GPA: 4.0/4.0 (UW), 4.53 (W)

Junior, Class of 2027

SAT: 1570, PSAT: 1520

- Relevant Coursework: AP Computer Science A (with Data Structures), AP Spanish Language & Culture, ATCS: Neural Networks, ATCS: Compilers, AP Calculus BC.

EXPERIENCE

NLP Intern, CHAUWK | [github portfolio](#)

Summer 2024

- Built a RAG-based platform for 23 low-resource South Asian languages to retrieve gov. schemes and job leads for blue-collar workers, with native-language (audio and text) support via machine translation.

Founder, SportsAI | [sportsai.us](#)

July 2023 - Present

- Building AI-powered sports coaching system using computer vision to analyze player performance and provide real-time feedback from video. Leading product + model development and business strategy.

Officer/Project Lead, HarkerDev

March 2025 - Present

- Developed school's parking management application currently deployed to 300 students and faculty members. Coordinated with administration to ship a real-world product from scratch.

Co-Founder, Bay2BayHacks | [bay2bayhacks.xyz](#)

June 2025 - Present

- Organized global AI hackathon (550+ participants); secured \$50K+ in sponsorships (cash value) from leading companies including Jane Street and recruited judges from Tesla, Uber, Microsoft.

RESEARCH

Linguistic Researcher/Host | [languageofresistance.org](#)

May 2025 - Present

- Investigating how semantic, rhetorical, and phonological features influence protest effectiveness across cultures. Curating dataset with protest language, training regression and clustering models.
- Creating podcast content with leading scholars, incl. Pulitzer Prize-winning poet.

Independent Researcher | [blog series](#)

October 2025 - Present

A Computational Approach to Measuring Semantic Change in Sanskrit Literature

- Developing NLP pipeline to measure semantic drift using word embeddings on Sanskrit corpora. Performing sandhi splitting, lemmatization, training custom models, and publishing blog posts.

Summer Intern, UC Santa Cruz

Summer 2025

- Conducted novel linguistic research under PhD student in verb-phrasal ellipsis in Altaic languages.

HONORS

International Linguistics Challenge (ILC) Finalist, Bronze Honorable Mention

March 2026

ILC Exceptional Distinction Award (Top 3 in United States)

January 2026

The President's Volunteer Service Gold Award (x2)

2024, 2025

DECA Regional 3rd Place Winner, Top 10 State Finalist (International Business Plan)

April 2024

National Youth Advocacy Corps Fellow

2024 - Present

PRAGNYA's NeuroAlly Leader of The Year

November 2023