

NAVNEET PRAKASH

(As of August 2026)

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Profile

High school student interested in applying computation in human-centered domains from the micro-scale (neuroscience, cognitive science, health) to the macro-scale (social science, government, policy). Additionally, very politically engaged, an avid runner, and philosophically curious.

Technical Experience

Ash Lab @ Yale University

2025 – Present

Research Student

- Creating provider- and client-facing dashboard for 60+ patients with diabetes to organize collected exercise-related data (physiological, psychological, lifestyle) to make recommendations to improve health and facilitate exercise.
- First analysis of over-the-counter CGM acceptability for non-diabetic individuals in comparison to finger stick measurements with data from experimental exercise clinical trial that I helped design. Made recommendations for use and future study. Published in the Journal of Diabetes Science and Technology.
- Working in collaboration with HerDiabetes to bring menstrual cycle-related data to diabetes care.
- Analyzing fear of hypoglycemia in people with diabetes.

Caldera PBC

2025 – Present

Software Engineer

- Created RFP- and document-drafting AI workflows for local governments.
- Adding features to main platform like personalization, user skill creation, admin analytics, file management, connectors for government data (Municode Meetings, CivicClerk, etc.), and more.
- Created automated workflow for ensuring security of platform against threat alerts.
- Created and maintained documentation for main platform used by clients including the City of Boston, the State of Colorado, the City and County of San Francisco, and more.

Murty Lab @ Georgia Institute of Technology

2025 – 2026

Collaborating Research Student

- Proposed and led project on topographic brain modeling (specifically of grid cell modules), responding to previous work and increasing the biological-closeness of models.
- Presented at the Computational Cognitive Neuroscience conference.

SocialAI Research Group @ University of Toronto

2025 – 2026

Volunteer Research Assistant

- Volunteering on open-source multi-agent reinforcement learning engine, Sorrel, through feature development and creating test environments for project.
- Responding to GitHub issues to make platform accessible to psychologists and social scientists.

Dartmouth–Hitchcock Medical Center

2025 – 2026

Mentor (Prev: Intern)

- Mentored team of 8 on creating models to conduct diagnosis of bladder cancer.
- As intern, designed multimodal cancer prognosis model using inferred spatial transcriptomics.
- Created custom usage of LLM biologically-informed feedback in model training, proved tangible evaluation metric increase in use of feedback.
- Presented findings to Dartmouth faculty.

Extracurriculars / Leadership

New York Parliamentary Debate League

2026 – Present

West Coast Equity Director

- Lead equity operations (investigating/ruling on violations) at & co-ran 6 tournaments. Only equity personnel at west-coast tournaments.
- Used NotebookLM, made interactive AI chatbot distilling 43-page rules to competitors/judges.
- Review topic bias, develop league-wide fairness policy, lead judge training, develop resources, protect rounds for 1,000+ competitors/judges. Changed rules regarding drafting topics related to pop culture.

Irvington Philosophy

2025 – Present

Founder & President

- Founded and acted as president of first philosophy-related group at Irvington High School.
- 7th place in Pan-American ethics bowl, semifinalist at Global AI Debates (hosted under TKEthics).
- Teaching philosophical discussion, theoretical ethics, and the philosophy of theism.
- Recruited 30+ members first year (including 14 competing members).

Fremont Debate Academy

2024 – Present

Vice President (Prev: Director of Irvington Programs, Program Lead)

- Led multiple programs during school year and summer for elementary and middle school level students, taught MSPDP debate format.
- Acted as Director of Irvington Programs, managing multiple leads for schools in Irvington area.
- Designing first civics program tailored to neurodivergent children as a vice president of the organization.

Middle School Milers

2024 – Present

Co-Founder & Irvington Head Coach

- Co-founded run club for middle school students and led Irvington-area program.
- Proposed and organized end-of-year race between participating middle schools. Trained winning relay-race team in race.

San Francisco Rising

2024 – Present

Volunteer

- Advocated for racial and economic equality and justice.
- Educated voters, especially reaching multiracial audiences.
- Trained people to be leaders, organizes and participate in protests, works with policymakers for campaigns.

Irvington Debate

2023 – Present

President & Member (Prev: Vice President, Logistics Officer)

- Organized fundraising to earn more than \$7,000.
- Reformatted finance system through our finance tracking and automatically tracking payments by parsing emails.
- Helped organize Irvington Debate's own tournament, the IW Invitational.
- Introducing new debate division to the club: Congress.
- Parliamentary debate competitor, TOC (largest national debate tournament) 2x qualifier.
- Champion of 2026 GGSA California State Qualifiers, Finalist at New York Parliamentary Debate February Online Invitational, Semifinalist at multiple tournaments including Evergreen Invitational.
- Mentored younger debaters, brought them to Varsity level.

Track and Field & Cross Country

2023 – Present

Varsity Athlete

- Varsity athlete for long distance (1–3 mile races).
- 20th fastest Boys Cross Country 3-mile official time on team since 1998. Set personal record at 12/16 (75%) races.
- Mentored younger runners.

Education

Irvington High School

2023 – 2027

Unweighted GPA: 3.97, SAT: 1570

Fremont, CA

Ohlone College

2024 – 2025

Unweighted GPA: 4.00

Fremont, CA

Mission College

2024 – 2026

Unweighted GPA: 4.00

Santa Clara, CA

UC Scout

2024 – 2026

Unweighted GPA: 4.00

Santa Clara, CA

UC Berkeley Academic Talent Development Program

2024

Unweighted GPA: 4.00

Berkeley, CA

Other Skills

Programming Languages: Python, R, C++, C#, MATLAB, Java

Google Technical Tools: Google Cloud Platform, Earth Engine, Apps Script, AI Studio, etc.

Languages: English, Telugu, Hindi, Tamil

3D Printing and Design

Photo and Video Editing