

Vish Karthikeyan

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Location: San Francisco Bay Area

EDUCATION

Stanford University, School of Engineering, California

Bachelor of Science Degree in Computer Science (Theory track), GPA 3.3
Minor in Public Policy

Expected June 2027

Activities and Societies: Director of Communications: Stanford Political Union • Counselor: Bridge Peer Counseling Center • Teacher: Stanford Splash • Writer: The Stanford Review • Mentor: Bechtel International Center

Tentative Master of Science Degree in Computer Science (Artificial Intelligence track)

Expected June 2028

CS Academy Erode, India

All India Senior Secondary Certificate Examination, GPA 479/500 (with 100/100 in Computer Science)

May 2023

All India Secondary School Examination, GPA 491/500

May 2021

Activities and Societies: School Captain • National Debate Finalist • National Talent Search Examination Scholar • The Duke of Edinburgh's International Award for Young People recipient

RELEVANT COURSEWORK

CS 229 (Machine Learning; graduate-level)

CS 124 (Natural Language Processing)

CS 161 (Design and Analysis of Algorithms)

CS 254 (Complexity Theory; graduate-level)

CS 106B (Abstract Data Structures)

MATH 104 (Applied Linear Algebra)

ECON 50Q and 51 (Quantitative Microeconomic Analysis)

CS 109 (Probability for Computer Scientists)

WORK EXPERIENCE

Student Dining Worker, Stanford Residential and Dining Enterprises

Fall 2025 - current

- Assisted at Stanford's largest dining hall, serving 3000+ people a day in an extremely fast-paced, high-volume environment with hands-on experience in food service operations
- Helped bridge communication and rapport between the student body and dining staff, contributing to a more responsive and student-centered campus dining experience

Residential Assistant, Summer Session, Stanford University

Summer 2025

- Built an inclusive, supportive residential community for 300+ high school summer students
- Planned and led 3+ programs a week fostering connection and well-being
- Served as a key resource for student concerns and campus referrals; coordinated case management

Teaching Assistant, Frosh 101, Stanford University

Fall 2024

- Inspired community-building conversations and activities amongst a cohort of freshmen, shaping their college transitions
- Attended a quarter-long course on inclusive teaching practices and research on the impact of mental health, diversity, inclusion and sense of belonging on learning

Team Leader, Reunion Homecoming, Stanford Alumni Association

Fall 2024

- Led planning efforts, coordinated event logistics, and developed programming for alumni
- Recruited, trained, and managed a team of volunteers, delegating tasks and providing guidance to ensure efficient event execution

Neighborhood Council Representative, Stanford Residential Education

2023-24

- Managed \$200,000 in funding across community building events for 800+ students, engineering various types of events and festivals
- Designed permanent community spaces for the Stanford Outdoor Enhancement Project

Associated Students of Stanford University

2023-24

- Assistant Elections Commissioner:** Facilitated student government elections involving 18,000 voters, supervised data management and security and practiced constitutional hermeneutics and policy development
- Senate Associate:** Participated in a leadership and advocacy workshop for six months, directed a team working on designing and implementing modifications to Stanford Dining

Founder and Secretary-General, CS Model United Nations

2021-2023

- Founded the largest Model United Nations conference in the area with 1000+ students, 100+ student officers and 30+ committees
- Authored guiding documents, mentored committee chairpersons for sociopolitical research and spearheaded conference logistics for 3 years
- Coordinated various facets of institutional leadership, managed communications and organized numerous workshops for participants

SKILLS AND INTERESTS

Programming languages

Python (including SciKit-Learn, PyTorch, NumPy and Pandas), C++

Technical

Git, UNIX command-line, MySQL, SQLite, CSS, HTML, Javascript, RESTful APIs, Agile development, supervised and unsupervised learning, data structures, algorithmic complexity, Jupyter

Languages

English (native proficiency), Tamil (native proficiency) and Spanish (elementary)

Interests:

Natural language processing, large language models, machine learning, computability and complexity theory, public policy, political theory, LGBTQ+ advocacy and leadership, mental health and peer counseling