

# Vish Karthikeyan

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Location: San Francisco Bay Area

## EDUCATION

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**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

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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

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**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

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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