

AVISHA CHAUDHRY

Cognitive Science & Psychology • Human-Agent Collaboration • Systems Prototyping
avishach@stanford.edu

EDUCATION

Stanford University | *International Honors Program (IHP) | Stanford, CA* Jun - Aug 2026

- **Minds and Machines (SYMSYS 1): A+ (Best Project 102/100)** | Technology Entrepreneurship (ENGR 145S): A
- Selected to the **IHP Advisory Council**; recommendations adopted by program leadership. Proposed and established **IHP's first-ever graduation ceremony**, creating a new cohort tradition modeled on Stanford degree-program convocations.

Ashoka University | *B.Sc. Cognitive Science & Psychology | Haryana, India* 2024 - 2028

- Minor: Entrepreneurial Leadership & Strategy | Concentration: Economics

RESEARCH INTERESTS

Human-agent collaboration • delegation & human agency • behavioral evaluation of AI systems • interactive agent systems

Current question: When demonstrated AI capability changes, what determines whether a person changes the amount of agency they want to retain?

RESEARCH & SYSTEMS WORK

Dynamic Delegation in Collaborative Gym | *Independent extension of public Collaborative Gym framework* 2026

- Built a reproducible **CoEnv-compatible benchmark with explicit, time-varying delegation state**, allowing authority to expand, require approval, be revoked, or return to the human during a task.
- Validated benchmark mechanics across **500 deterministic episodes** (25 seeds × 5 delegation conditions × 4 policy conditions); implemented delegation-specific metrics, failure reporting and reproducible reruns.
- Built **Collaboration Trace Atlas + Outcome Twins** to inspect process heterogeneity among trajectories with similar terminal outcomes; current validation includes **no human participants or LLM-agent evaluation**.

Agent Gateway | *Independent Agent-Control Prototype* 2026

- Designed and built a working prototype for **bounded, reviewable AI-agent execution** with explicit action scope, human approval checkpoints and inspectable action records.
- Used the build to separate **model capability from permitted autonomy**, making intervention and execution boundaries observable system properties rather than prompt-level intentions.

Learning from Embodied Behavior | *Stanford SYMSYS 1 Project* Aug 2026

- Analyzed a four-year-old's pottery-wheel learning as a **continuous sensorimotor control problem**, decomposing visual, tactile and proprioceptive input, internal state estimates, motor actions and environmental feedback.
- Identified where discrete state-action descriptions become incomplete because **perception and action remain continuously coupled**; examined what an artificial learner would need to observe and acquire.

Rakshak | *Verifiable AI Retrieval Prototype* 2026

- Built an **access-constrained retrieval prototype** that enforces source boundaries and ties outputs to inspectable source evidence.

AIKMATRA | *Founder | Independent Research & Systems Prototyping* Oct 2025 - Present

- Independently researching **human-AI coordination and decision-making in complex work**, translating open questions into working systems and controlled simulations.
- Built and stress-tested prototypes across **thousands of simulated conditions**; established **two enterprise design partnerships, including a Fortune India 500 company**, to test assumptions against real workflows.

SELECTED OPERATING & RESEARCH EXPERIENCE

ThinkData Labs | *Procurement & Vendor Management Intern* Mar - Apr 2024

- Executed an **~\$87,000 Wayfair India procurement order in 12 days at a 16% margin**; evaluated and coordinated **150+ suppliers** across price, quality and delivery constraints.

Ernst & Young (EY) | *Business Consulting Intern* Jul - Aug 2025

- Worked with the APAC & India Business Consulting Head on **MSME strategy for the Government of Haryana**; conducted field research and stakeholder engagement to translate on-ground evidence into recommendations that were adopted.

Radha Soami Satsang Beas | *COVID-19 Relief Operations* 2020 - 2022

- Contributed to operations preparing and distributing **125,000+ meals per day** during lockdown relief under severe time, resource and logistics constraints.

Cure My Health | *Founder & CEO* Jan 2018 - Aug 2024

- Built and led a wellness platform for **7+ years**, reaching **16,000+ users** and **48,500+ content visits**; coordinated a cross-functional team of medical professionals and writers.

From Waste to Black Gold | *Founder*

Jul - Oct 2023

- Launched a rural composting initiative benefiting **15+ farmers**; increased income by ₹2,000+ per capita, reduced operating costs and pollution, and earned civic recognition and received the Indian **Government's Scroll of Honour** in Swachh Bharat Mission.

Network Capital | *Campus Ambassador*

Aug 2024 - Present

- Worked directly with CEO Utkarsh Amitabh on outreach; promoted Silicon Valley speaker events and generated **888+ engagements**.

My Eco Spoons | *Founder & CEO*

Oct 2023 - Jan 2025

- Built an edible, biodegradable product from concept to **1,000+ individual and corporate orders**; led customer discovery, product development and sustainability outreach. Awarded **Certificate of Excellence in Social Entrepreneurship** from the Indian Government MLA Sarvjit Kaur Manuke.

LEADERSHIP & INSTITUTIONAL CONTRIBUTION

Stanford University - IHP Advisory Council | *Student Representative*

Summer 2026

- Selected from across Stanford Summer Session to represent international student perspectives to program leadership; recommendations adopted.
- Proposed **IHP's first-ever graduation ceremony** for the 2026 cohort; leadership backed the initiative, establishing a new IHP cohort tradition.

Ashoka University - Cycling Club | *Head of Department, Marketing*

Oct 2025 - Feb 2026

- Led marketing, outreach and communications for cycling culture, events, campus visibility and student engagement.

Ashoka University - Internship Cell | *Core Member, Marketing, Outreach & Growth*

Jul - Nov 2025

- Supported employer and student outreach, marketing and engagement across the university internship ecosystem.

Yale Entrepreneurial Society | *Student Ambassador*

Jan - Apr 2024

- Selected from India to grow outreach; enrolled **20+ students nationally** and directly mentored **5+ students who secured financial aid**.

TiE Delhi NCR | *Associate Member*

Oct 2024 - Jan 2026

- Nominated by Ashoka University to join a network of **15,000+ entrepreneurs and industry leaders**; participated in founder and industry discussions.

Ashoka University - Entrepreneurship Club | *Pre-Incubation Vertical*

Sep 2024 - Apr 2025

- Selected from **1,500+ applicants** to support founder workshops, mentorship and strategic roundtables.

SELECTED SERVICE

Radha Soami Satsang Beas | *Food Packing & Waste Management Volunteer*

2020 - 2022

- Alongside COVID relief operations, processed **1,000+ kg of organic waste** into usable compost and supported sustainability outreach in local villages.

Lions Club International, Jagraon | *Environmental Restoration Volunteer*

2022 - 2023

- Planted **500+ trees** and received the President's Award of Appreciation for sustainable development.

RESEARCH & TECHNICAL SKILLS

RESEARCH

behavioral analysis; literature synthesis; experimental prototyping; systems evaluation; failure analysis

BUILD

AI-assisted rapid prototyping; Next.js/React; Postgres/Supabase; APIs; agent workflows; evaluation instrumentation

LANGUAGES

English; Hindi; Punjabi; French

SELECTED DISTINCTIONS

- **Competitive Cycling:** 3x Chandigarh State Championship gold medals; represented Chandigarh at Nationals; Top 10, National Mountain Biking Championship (2020).
- **Hindustani Classical Vocal:** 15+ years of training; 5 classical vocal diplomas with Distinction; 250+ performances across 7+ languages, including a performance for the President of India.
- **Academic / Program Selection:** Yale Entrepreneurial Society High School Fellowship - selected among 100 globally with merit scholarship; MIT Youth Leadership Conference - <3% acceptance.
- **Civic / Sustainability:** Certificate of Excellence in Social Entrepreneurship; Swachh Bharat Mission Scroll of Honour; municipal and Lions Club recognition for sustainability work.

SELECTED PROGRAMS & PUBLIC WORK

Programs: Network Capital Summer School; United Nations Green Economy & Trade (Distinction); Yale Introduction to Negotiation; TiE Young Entrepreneurs Program, Yale YES Fellowship (Merit Scholarship), MIT Youth Leadership Conference (<3% acceptance rate).

Public work: University of Warwick RELUX published essay "Luxury's Timeless Allure: How Opulence Defies Economic Logic"; Network Capital TV published talk/story "How to Benefit from Rejection"; selected English and French writing on health, sustainability and gender.