

# NIVASINI ANANTHAKRISHNAN

[nivasini.github.io](https://nivasini.github.io) ♦ [nivasini@berkeley.edu](mailto:nivasini@berkeley.edu)

## EDUCATION

---

**University of California Berkeley**

September 2021 - Present

Ph.D. in Computer Science

*Advisors* : [Prof. Nika Haghtalab](#), [Prof. Michael I. Jordan](#)

**University of Waterloo**

May 2021

M.Math. in Computer Science

*Advisor* : [Prof. Shai Ben-David](#)

**University of Waterloo**

August 2019

B.Math. *with Distinction - Dean's Honours List (Highest Honours)*

*Majors* : Computer Science, Combinatorics and Optimization

## PUBLICATIONS

---

- **Algorithms for Emergent Communication.**

Nivasini Ananthakrishnan, Mark Bedaywi, Michael I. Jordan, Stuart Russell, Nika Haghtalab. ([manuscript](#))

- **Learning Local Stackelberg Equilibria from Repeated Interactions with a Learning Agent.**

Nivasini Ananthakrishnan, Yuval Dagan, Kunhe Yang. ([manuscript](#))

- **Is Knowledge Power? On the (Im) possibility of Learning from Strategic Interactions.** *Neural Information Processing Systems (Neurips)*, 2024

Nivasini Ananthakrishnan, Nika Haghtalab, Chara Podimata, Kunhe Yang. ([arXiv](#))

- **Privacy Can Arise Endogenously in an Economic System With Learning Agents.** *Symposium on Foundations of Responsible Computing (FORC)*, 2024

Nivasini Ananthakrishnan, Tiffany Ding, Mariel Werner, Sai Praneeth Karimireddy, Michael I. Jordan. ([arXiv](#))

- **Delegating Data Collection in Decentralized Machine Learning.** *International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2024 ([arXiv](#))

Nivasini Ananthakrishnan, Stephen Bates, Michael I. Jordan, Nika Haghtalab.

- **Identifying Regions of Trusted Predictions.** *Uncertainty in Artificial Intelligence (UAI)*, 2021([PDF](#))

Nivasini Ananthakrishnan, Shai Ben-David, Tosca Lechner, Ruth Uerner.

- **On Learnability with Computable Learners.** *International Conference on Algorithmic Learning Theory (ALT)*, 2020 ([PDF](#))

Sushant Agarwal, Nivasini Ananthakrishnan, Shai Ben-David, Tosca Lechner, Ruth Uerner.

## INDUSTRY EXPERIENCE

---

**Amazon**

Seattle

*Applied Scientist Intern*

May 2024 - August 2024

**Microsoft**

Vancouver, Canada

*Data Scientist Intern*

June 2021 - August 2021

**SideFX Software**

*Software Developer Intern*

Toronto, Canada

*May 2017 - August 2017*

**IBM - J9 Virtual Machine Team**

*Software Developer Intern*

Ottawa, Canada

*May 2016 - August 2016*

## **SERVICE AND ACTIVITIES**

---

- Organized [Workshop on Human-AI collaboration](#) in EC 2025.
- Lecturing Data 102 (Data, Inference and Decisions) at UC Berkeley in Fall 2025. Graduate Student Instructor for Introduction to statistical learning theory (CS 281A)
- Mentor in the Berkeley AI Research undergraduate research mentorship program.