NIVASINI ANANTHAKRISHNAN

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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

WORKING PAPERS

- **Is Knowledge Power? On the (Im) possibility of Learning from Strategic Interactions.**
  Nivasini Ananthakrishnan, Nika Haghtalab, Chara Podimata, Kunhe Yang. (arXiv)

PUBLICATIONS

- **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 Urner.

- **On Learnability with Computable Learners.** *International Conference on Algorithmic Learning Theory (ALT), 2020* (PDF)
  Sushant Agarwal, Nivasini Ananthakrishnan, Shai Ben-David, Tosca Lechner, Ruth Urner.

AWARDS AND GRANTS

- NSERC (National Science and Engineering Research Council) Canada Graduate Scholarship - Masters, 2020.

- David R. Cheriton Graduate Scholarship, 2019-2020.

- NSERC Undergraduate Research Award, 2019.

INDUSTRY EXPERIENCE

Amazon   Seattle
Applied Scientist Intern   *June 2021 - August 2021*

Microsoft   Vancouver, Canada
Data Scientist Intern   *June 2021 - August 2021*

SideFX Software   Toronto, Canada
Software Developer Intern   *May 2017 - August 2017*

IBM - J9 Virtual Machine Team   Ottawa, Canada
Software Developer Intern   *May 2016 - August 2016*

ACTIVITIES

- Graduate Student Instructor at University of California Berkeley for Introduction to statistical learning theory (CS 281A).

- Teaching Assistant at University of Waterloo for courses - Statistical and computational foundations of Machine Learning (CS 485), Logic and computation (CS 245), Operating systems (CS 350).

- Mentor in the Berkeley AI Research undergraduate research mentorship program.

- Reviewer for AISTATS (2023, 2024) conference, Neurocomputing (2020) journal.

- Technovation mentor - Mentored team of high school girls to build mobile app (January 2019 - December 2019).