NIVASINI ANANTHAKRISHNAN

nivasini.github.io ◇ 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

WORKING PAPERS

- **Strategic deletion in centralized learning mechanisms.**
  Nivasini Ananthakrishnan, Nika Haghtalab. (PDF)

PUBLICATIONS

- **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

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

Worked in the security team on automating security threat detection.

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

Revamped the mesh parameterization tool by increasing accuracy and adding features for more user control. Implemented research on computational optimization techniques and image segmentation.

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

Designed, prototyped and documented an implementation of proposed Java feature - Value Types in the Virtual Machine.

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).