Aravind Reddy Talla

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EDUCATION	
Northwestern University	Evanston, IL
Ph.D. in Computer Science, Advisers: Konstantin Makarychev and Aravindan Vijayaraghavan	
M.S. in Computer Science, GPA: 4.0	March 2021
Indian Institute of Technology (IIT) Kanpur	N. 2010
Bachelor of Technology (B.Tech.) in Computer Science with minor in Physics, <i>Distinction</i>	May 2018
APPOINTMENTS	
Broad Institute of MIT and Harvard, Postdoctoral Associate	Cambridge, MA
Primary mentor: Victoria Popic	July 2023 -
Adobe Research, Intern	San Jose, CA (remote)
Primary mentor: Ritwik Sinha	Summer 2022
Primary mentors: Ryan Rossi and Zhao Song	Summer 2021
Paris Centre for Quantum Technologies, Université Paris Diderot, Intern	Paris, France
Mentors: Eleni Diamanti and Iordanis Kerenidis, partly funded by Charpak Scholarship	Summer 2017
Centre for Quantum Technologies, National University of Singapore, Intern	Singapore
Mentor: Hartmut Klauck	Summer 2016
Publications	
Dynamic Tensor Product Regression	
with Zhao Song and Lichen Zhang, <u>link</u>	NeurIPS 2022
Adaptive and Dynamic Multi-Resolution Hashing for Pairwise Summations	3
with Lianke Qin, Zhao Song, Zhaozhuo Xu, and Danyang Zhuo, <u>link</u>	$BigData\ 2022$
One-Pass Algorithms for MAP Inference of Nonsymmetric Determinantal l	Point Processes
with Ryan Rossi, Zhao Song, Anup Rao, Tung Mai, Nedim Lipka, Gang Wu, Eunyee Koh, and Nesreen Ahmee	d, $\underline{\text{link}}$ ICML 2022
Beyond Perturbation Stability: LP Recovery Guarantees for MAP Inference on N	oisy Stable Instances
with Hunter Lang, David Sontag, and Aravindan Vijayaraghavan, $\underline{\mathrm{link}}$	AISTATS 2021
Improved Guarantees for k-means++ and k-means++ Parallel	
with Konstantin Makarychev and Liren Shan, <u>link</u>	NeurIPS 2020
Patent	
Online Inference and Learning for Nonsymmetric Determinantal Point Pro	cesses 2022
with Ryan Rossi, Zhao Song, Anup Rao, Tung Mai, Nedim Lipka, Gang Wu, and Eunyee Koh	Filed at USPTO
Awards & Grants	
Adobe Research Gift Grant (\$20,000)	202
Peter and Adrienne Barris Outstanding Teaching Assistant Award, Northwestern, pr	
Charpak Scholarship for Research Internship, Government of France	201
National Initiative on Undergraduate Science Scholarship, HBCSE (TIFR) Gold Medallist, Indian National Physics Olympiad, National top 35	201 201
Gold Haddinst, materi National Physics Olympiad, National top 60	201
SERVICE	
Teaching Assistant: Mathematical Foundations of Computer Science (NII) - Spring 2022 Fa	all 2020 Fall 2010.

Teaching Assistant: Mathematical Foundations of Computer Science (NU) - Spring 2022, Fall 2020, Fall 2019;

Design & Analysis of Algorithms (NU) - Winter 2019; Fundamentals of Computing (IITK) - Winter 2018

Conference Reviewer: Total: 21 papers, NeurIPS (2022 (6 papers), 2021 (3 papers)), ICML (2023 (4 papers), 2022 (2 papers)), ICLR (2023 (2 papers), 2022 (1 paper)), AISTATS 2023 (3 papers)

Workshop Leader and Mentor: NeurIPS 2022 High-School Outreach Program

Volunteer Math Tutor: 2021-22 academic year, for a Chicago area middle-school student, at Tutoring Chicago

Board Member: CS PhD Advisory Council (NU, 2020 - 2022) | Webmaster: Northwestern CS Theory (2018 - 2023)