

Aravind Reddy Talla

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EDUCATION

Northwestern University Ph.D. in Computer Science M.S. in Computer Science, GPA: 4.0	Evanston, IL June 2023 (Expected) March 2021
Indian Institute of Technology (IIT) Kanpur Bachelor of Technology (B.Tech.) in Computer Science with minor in Physics, <i>Distinction</i>	2018

PROFESSIONAL EXPERIENCE

Research Assistant , Northwestern Advisors: Konstantin Makarychev and Aravindan Vijayaraghavan	Fall 2018 – Present <i>Evanston, IL</i>
Teaching Assistant , Northwestern For Comp Sci 212: Mathematical Foundations of Computer Science in Spring 2022, Fall 2020, and Fall 2019, and also for Comp Sci 336: Design & Analysis of Algorithms in Winter 2019. Received the best TA award for Spring 2022.	2019 – Present
Research Intern , Adobe Research Primary mentors: Ritwik Sinha and David Arbour Primary mentors: Ryan Rossi and Zhao Song, resulted in an ICML 2022 publication and patent filing.	San Jose (remote) Summer 2022 Summer 2021
Teaching Assistant , IIT Kanpur For the course ESC101: Fundamentals of Computing taught by Prof. Indranil Saha	Winter 2018 <i>Kanpur, India</i>
Research Intern , Paris Centre for Quantum Computing, <i>Université Paris Diderot</i> Mentors: Eleni Diamanti and Iordanis Kerenidis, partly funded by Charpak Scholarship	Summer 2017 <i>Paris, France</i>
Research Intern , Centre for Quantum Technologies, <i>National University of Singapore</i> Mentor: Hartmut Klauck	Summer 2016 <i>Singapore</i>

PUBLICATIONS

One-Pass Algorithms for MAP Inference of Nonsymmetric Determinantal Point Processes with Ryan Rossi, Zhao Song, Anup Rao, Tung Mai, Nedim Lipka, Gang Wu, Eunye Koh, and Nesreen Ahmed	<i>ICML 2022 (to appear)</i>
Beyond Perturbation Stability: LP Recovery Guarantees for MAP Inference on Noisy Stable Instances with Hunter Lang, David Sontag, and Aravindan Vijayaraghavan, arXiv	<i>AISTATS 2021</i>
Improved Guarantees for k-means++ and k-means++ Parallel with Konstantin Makarychev and Liren Shan, arXiv	<i>NeurIPS 2020</i>

PATENT

Online Inference and Learning for Nonsymmetric Determinantal Point Processes with Ryan Rossi, Zhao Song, Anup Rao, Tung Mai, Nedim Lipka, Gang Wu, and Eunye Koh	2022 <i>Under review</i>
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AWARDS & SCHOLASTIC ACHIEVEMENTS

Peter and Adrienne Barris Outstanding Teaching Assistant Award , Northwestern	Spring 2022
Gift Grant (\$20,000) , Adobe Research	2022
STOC 2019 Student Travel Grant , ACM SIGACT	2019
Charpak Scholarship for research internship , French Government	Summer 2017
Academic Excellence Award , IIT Kanpur	2015
National Initiative on Undergraduate Science Scholarship , HBCSE (TIFR)	2015
Gold Medallist , Indian National Physics Olympiad, <i>National top 35</i>	2014

TECHNICAL SKILLS

Programming Languages: C, Python, Bash, Octave | **Web-Dev:** HTML, CSS, Hugo | **Tools:** \LaTeX , Git, Gurobi |
Natural Languages: Native/Bilingual Proficiency - English, Telugu, Hindi; Limited Working Proficiency - Korean

SERVICE

Conference Reviewer: NeurIPS 2022, 2021, ICML 2022, ICLR 2022

Conference Volunteer: STOC 2021, 2020, AISTATS 2021, NeurIPS 2020, FSTTCS 2017

Volunteer Tutor: As a part of the Tutoring Chicago program, I tutored Olivia Lopez, a Chicago area middle-school student, for the 2021-22 academic year, mainly focusing on middle-school and high-school math.

Board Member: CS PhD Advisory Council (NU, 2020 - 2022) | **Webmaster:** CS Theory group (NU, 2018 - Present)

Coordinator: Card & Board Games Club (IITK), Science Coffeehouse (IITK) (2016 - 17)

Manager: English Literary Competitions, Antaragni 2015 (IITK)