Aravind Reddy Talla

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EDUCATION

Northwestern University Evanston, IL
Ph.D. in Computer Science *June 2023 (Expected)*
Master of Science in Computer Science, GPA: 4.0 *March 2021*

Indian Institute of Technology (IIT) Kanpur
Bachelor of Technology in Computer Science, Minor in Physics, Distinction *2018*

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, Eunyee Koh, and Nesreen Ahmed *ICML 2022 (to appear)*

Beyond Perturbation Stability: LP Recovery Guarantees for MAP Inference on Noisy Stable Instances
with Hunter Lang, David Sontag, and Aravindan Vijayaraghavan, arXiv *AISTATS 2021*

Improved Guarantees for k-means++ and k-means++ Parallel
with Konstantin Makarychev and Liren Shan, arXiv *NeurIPS 2020*

RESEARCH EXPERIENCE

Northwestern University Fall 2018 – Present
Advisors: Konstantin Makarychev and Aravindan Vijayaraghavan *Evanston, IL*

Adobe Research, San Jose Summer 2022 (upcoming)
Primary mentors: Ritwik Sinha and David Arbour *remote*

Adobe Research, San Jose Summer 2021
Primary mentors: Ryan Rossi and Zhao Song *remote*

Paris Centre for Quantum Computing, *Université Paris Diderot* Summer 2017
Mentors: Eleni Diamanti and Iordanis Kerenidis, partly funded by Charpak Scholarship *Paris, France*

Centre for Quantum Technologies, *National University of Singapore* Summer 2016
Mentor: Hartmut Klauck *Singapore*

AWARDS & SCHOLASTIC ACHIEVEMENTS

Gold Medallist, Indian National Physics Olympiad, *National top 35* 2014
National Initiative on Undergraduate Science Scholarship, HBCSE (TIFR) 2015
Academic Excellence Award, IIT Kanpur 2015
Charpak Scholarship for research internship, French Government 2017
STOC 2019 Student Travel Grant, ACM SIGACT 2019

TECHNICAL SKILLS

Programming Languages: C, Python, Bash, Octave | **Web-Dev**: HTML, CSS, Hugo | **Tools**: LaTeX, Git, Gurobi |
Natural Languages: Native Proficiency - English, Telugu, Hindi, Elementary Proficiency - Korean

SERVICE

Reviewer: NeurIPS 2022, 2021, ICML 2022, ICLR 2022
Volunteer: STOC 2021, 2020, AISTATS 2021, NeurIPS 2020, FSTTCS 2017
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
Board Member: Northwestern CS PhD Advisory Council (2020 - 2022)
Webmaster: Northwestern CS Theory group (2018 - Present)
Coordinator: Card & Board Games Club, Science Coffeehouse IIT Kanpur (2016 - 17)