

Aravind Reddy Talla

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EDUCATION

Northwestern University

Ph.D. in Computer Science

Master of Science in Computer Science, GPA: 4.0

Evanston, IL

June 2023 (Expected)

March 2021

Indian Institute of Technology (IIT) Kanpur

Bachelor of Technology in Computer Science, Minor in Physics, Distinction

2018

PUBLICATIONS

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

Advisors: Konstantin Makarychev and Aravindan Vijayaraghavan

Fall 2018 – Present

Evanston, IL

Adobe Research, San Jose

Primary Mentor: Ritwik Sinha

Summer 2022 (upcoming)

remote

Adobe Research, San Jose

Primary Mentors: Ryan Rossi and Zhao Song

Summer 2021

remote

Paris Centre for Quantum Computing, Université Paris Diderot

Mentors: Eleni Diamanti and Iordanis Kerenidis, partly funded by Charpak Scholarship

Summer 2017

Paris, France

Centre for Quantum Technologies, National University of Singapore

Mentor: Hartmut Klauck

Summer 2016

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: English, Telugu (Native), Hindi (Full Professional Proficiency), Korean (Elementary Proficiency)

SERVICE

Reviewer: ICML 2022, ICLR 2022, NeurIPS 2021

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

Teaching Assistant: Mathematical Foundations of Computer Science (NU) - 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)