Aravind Reddy Talla

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Evanston II.

EDUCATION

SERVICE

Northwestern University

Northwestern University Ph.D. in Computer Science	Evanston, IL 2023 (Expected)
Indian Institute of Technology (IIT) Kanpur Bachelor of Technology in Computer Science, Minor in Physics, Distinction	2018
Publications	
Improved Guarantees for k-means++ and k-means++ Parallel with Konstantin Makarychev and Liren Shan, <u>arXiv</u> NeurI	PS 2020 (to appear)
Working papers	
Beyond Perturbation Stability: LP Recovery Guarantees for MAP Inference on Noisy with Hunter Lang, David Sontag, and Aravindan Vijayaraghavan AISTA	y Stable Instances TS 2021 (submitted)
RESEARCH EXPERIENCE	
Northwestern University Advisors: Prof. Konstantin Makarychev and Prof. Aravindan Vijayaraghavan	Fall 2018 – Present Evanston, IL
Paris Centre for Quantum Computing, Université Paris Diderot Mentors: Prof. Eleni Diamanti and Prof. Iordanis Kerenidis, partly funded by Charpak Scholarsh	Summer 2017 ip Paris, France
Centre for Quantum Technologies, National University of Singapore Mentor: Prof. Hartmut Klauck	Summer 2016 Singapore
Teaching Assistant Experience	
CS 212: Mathematical Foundations of Computer Science, Northwestern University CS 336: Design & Analysis of Algorithms, Northwestern University ESC 101: Fundamentals of Computing, IIT Kanpur	Fall 2020, Fall 2019 Winter 2019 Winter 2018
Awards & Scholastic Achievements	
STOC 2019 Student Travel Grant, ACM SIGACT Charpak Scholarship for research internship, French Government National Initiative on Undergraduate Science Scholarship, HBCSE (TIFR) Academic Excellence Award, IIT Kanpur Gold Medallist, Indian National Physics Olympiad, National top 35	2019 2017 2015 2015 2014
Selected Coursework	
Machine Learning: Algorithmic Aspects of Inference, Computational Learning Theory, Machine Theoretical CS: Algorithmic Mechanism Design, Approximation Algorithms, Computational Co Cryptography, Expander Graphs, Lattices in Computer Science, Quantum Computing, Quantum Math: Probability Theory & Stochastic Analysis, Spectral Graph Theory	omplexity,
TECHNICAL SKILLS	
Languages: C, Python, Bash, Octave Web-Dev: HTML, CSS, Hugo Tools: Git, Gurobi, LAT	EX, GNU Plot, Vim

Volunteer: NeurIPS 2020, STOC 2020, and FSTTCS 2017 | Board Member: Northwestern CS PhD Advisory Council Webmaster: Northwestern CS Theory group | Coordinator: Card & Board Games Club, IIT Kanpur (2016 - 17)