Aravind Reddy Talla

Curriculum Vitae

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	Education
	Northwestern University, Evanston, Illinois, Ph.D, Computer Science.
2018	Indian Institute of Technology (IIT) Kanpur, B.Tech, Computer Science & Engineering (minor in Physics), Distinction.
	Publications
NeurIPS 2020 (to appear)	Improved Guarantees for k-means++ and k-means++ Parallel, with Konstantin Makarychev and Liren Shan.
	Research Experience
Fall 2018 -	Northwestern University. Advisors: Prof. Konstantin Makarychev and Prof. Aravindan Vijayaraghavan
Summer 2017	Paris Centre for Quantum Computing, Université Paris Diderot. Mentors: Prof. Eleni Diamanti and Prof. Iordanis Kerenidis Partly funded by Charpak
Fall 2016	Indian Institute of Technology Kanpur. Advisor: Prof. Rajat Mittal
Summer 2016	Centre for Quantum Technologies , <i>National University of Singapore</i> . Mentor: <i>Prof. Hartmut Klauck</i>
Summer 2015	Indian Institute of Science Education and Research, Kolkata.Mentor: Prof. Prasanta K. PanigrahiFunded by the NIUS Scholarship
	Teaching Experience
	Teaching Assistant , CS 212 (Mathematical Foundations of Computer Science), Northwestern University.
Winter 2019	Teaching Assistant, CS 336 (Algorithms), Northwestern University.
Winter 2018	Tutor , ESC101: Fundamentals of Computing, IIT Kanpur.
	Awards & Scholastic Achievements

- 2019 STOC 2019 Student Travel Grant, ACM SIGACT.
- 2017 Charpak Scholarship for research internship, French Government.
- 2015 National Initiative on Undergraduate Science Scholarship, HBCSE (TIFR).
- 2015 Academic Excellence Award, IIT Kanpur.

- 2014 Gold Medallist, Indian National Physics Olympiad, National top 35.
- 2014 Ranked 206 out of 1.4 million applicants, JEE Main.

Selected Coursework:

Approximation Algorithms, Computational Complexity, Computational Learning Theory, Cryptography, Expander Graphs, Lattices in Computer Science, Machine Learning, Mechanism Design, Probability Theory & Stochastic Analysis, Quantum Computing, Quantum Cryptography, Spectral Graph Theory

Service and Activities

Volunteer, STOC 2020 and FSTTCS 2017.

- 2020- Board Member, Computer Science PhD Advisory Council, Northwestern.
- 2018- Webmaster, Northwestern CS Theory group.
- 2016-17 **Coordinator**, *Science CoffeeHouse*, IIT Kanpur.
- 2016-17 **Coordinator**, Association for Computing Activities, IIT Kanpur.
- 2016-17 **Coordinator**, Card & Board Games Club, IIT Kanpur.