

# Aravind Reddy Talla

## Curriculum Vitae

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### Education

- 2023 **Northwestern University, Evanston, Illinois,**  
(Expected) Ph.D, Computer Science, Grade Point Average: 3.96/4.00.
- 2018 **Indian Institute of Technology(IIT) Kanpur,**  
B.Tech, Computer Science & Engineering(minor in Physics), Distinction.

### 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. Ioannis Kerenidis*      Partly funded by Chrapak
- Fall 2016 **Indian Institute of Technology Kanpur.**  
Advisor: *Prof. Rajat Mittal*
- Summer 2016 **Centre for Quantum Technologies, National University of Singapore.**  
Mentor: *Prof. Hartmut Klauck*
- Summer 2015 **Indian Institute of Science Education and Research, Kolkata.**  
Mentor: *Prof. Prasanta K. Panigrahi*      Funded by the NIUS Scholarship

### Teaching Experience

- Fall 2019 **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

- 2017 **Chrapak 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 189 out of 120 thousand applicants, JEE Advanced.**
- 2014 **Ranked 206 out of 1.4 million applicants, JEE Main.**

## Selected Coursework:

Computer Science	Approximation Algorithms, Computational Complexity, Computational Learning Theory, Cryptography, Expander Graphs, Lattices in Computer Science, Linear Programming & Spectral Graph Theory, Machine Learning, Mechanism Design, Quantum Computing, Quantum Cryptography
Other	Probability Theory & Stochastic Analysis, Quantum Mechanics, Thermal Physics, Special Relativity, Languages of South Asia, Philosophical Aesthetics, Human Evolution

## Skills:

Programming	C/C++, Python, Bash, Octave
Web-Dev	HTML, CSS, Hugo, PHP, SQL
Tools	L <sup>A</sup> T <sub>E</sub> X, Git, GNU Plot
Natural Languages	Telugu(native), English(fluent), Hindi(fluent)

## Service and Activities

- 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.
- Fall 2015 **Coordinator**, *English Literary Events*, Antarāgni, IIT Kanpur.

## Miscellaneous

- Attended FSTTCS 2019, Bombay, India.
- Attended STOC 2019 and COLT 2019 as part of FCRC 2019, Phoenix, Arizona.
- Awarded STOC 2019 Student Travel grant.
- Attended Midwest Theory Day 2019, Purdue University.
- Attended ALT 2019, Chicago.
- Volunteer for FSTTCS 2017, Kanpur, India.
- Attended TQC2017, Paris, France.
- Attended Shannon Centenary celebrations, IIT Kanpur.