

EDUCATION	<b>New York University, Tandon School of Engineering</b> <i>Ph.D. Candidate in Computer Science</i> Advisor: <a href="#">Christopher Musco</a>	Sept 2020 – Present
	<b>International Institute of Information Technology, Bangalore</b> <i>Bachelor and Master of Technology</i> Specialization: Theoretical Computer Science Thesis: <a href="#">Clustering Perturbation Resilient Instances</a> Advisor: <a href="#">G. Srinivasaraghavan</a>	Aug 2013 – July 2018
EXPERIENCE	<b>Visiting Researcher, INRIA Lille</b> MODAL Team, INRIA Lille, France Advisor(s): <a href="#">Hemant Tyagi</a> (INRIA), <a href="#">Mihai Cucuringu</a> (Univ. of Oxford)	Oct 2019 – Jan 2020
	<b>Project Associate, IISc Bangalore</b> Department of CSA, Indian Institute of Science (IISc) Advisor(s): <a href="#">Anand Louis</a> (IISc), <a href="#">Amit Deshpande</a> (Microsoft Research)	Aug 2018 – Aug 2019
	<b>Narendra Summer Intern, IISc Bangalore</b> Department of CSA, Indian Institute of Science Advisor: <a href="#">Anand Louis</a>	Summer 2017
PUBLICATIONS ( $\alpha - \beta$ )	<ol style="list-style-type: none"> <li><b>Faster Spectral Density Estimation and Sparsification in the Nuclear Norm</b>              (with Yujia Jin, Ishani Karmarkar, Christopher Musco, and Aaron Sidford)  <i>In Submission</i>, <a href="#">(Link)</a></li> <li><b>Moments, Random Walks, and Limits for Spectrum Approximation</b>              (with Yujia Jin, Christopher Musco, and Aaron Sidford)  <i>COLT 2023</i>, <a href="#">(Link)</a></li> <li><b>Regularized Spectral Methods for Clustering Signed Networks</b>              (with Mihai Cucuringu, Deborah Sulem, and Hemant Tyagi)  <i>JMLR 2021</i>, <a href="#">(Link)</a></li> <li><b>On Euclidean <math>k</math>-Means Clustering with <math>\alpha</math>-Center Proximity</b>              (with Amit Deshpande, and Anand Louis)  <i>AISTATS 2019</i>, <a href="#">(Link)</a></li> <li><b>Approximation Algorithms for Cost-Balanced Clustering</b>              (with Amit Deshpande, Anand Louis, and Deval Patel)  <i>Preprint 2019</i>, <a href="#">(Link)</a></li> </ol>	
TEACHING	<b>NYU CS-GY 6763: Algorithmic Machine Learning and Data Science</b> Head Teaching Assistant: Recitation, Office Hours, and Grading.	Fall 2023
	<b>E0306: Deep Learning, Theory and Practice</b> Grader for the course at IISc Bangalore	Spring 2019
	<b>E0203: Spectral Algorithms</b> Grader for the course at IISc Bangalore	Spring 2018

SERVICE	<ul style="list-style-type: none"> <li>• Program Committee Algorithmic Learning Theory (ALT) 2024</li> <li>• Sub-reviewer for Symposium on Theory of Computing (STOC) 2023</li> <li>• Sub-reviewer for Symposium on Foundations of Computer Science (FOCS) 2022</li> </ul>		
PRESENTATIONS (selected)	<ul style="list-style-type: none"> <li>• Moments, Random Walks, and Limits for Spectrum Approximation at DIMACS Rutgers, IISc Bangalore, and COLT 2023.</li> <li>• Reading Group Presentations on Discrepancy Theory, Kadison-Singer Problem, Second Moment Methods, and Sum of Squares Methods, and Counting Bases of Matroids.</li> <li>• Euclidean <math>k</math>-Means with Center Proximity at ICTS-TIFR, INRIA Lille, IIIT Bangalore, and AISTATS 2019.</li> </ul>		
MISCELLANEOUS	<ul style="list-style-type: none"> <li>• Organizing a reading group on Extremal Graph Theory in Fall 2023.</li> <li>• Lead a reading group on Probabilistic Combinatorics in Spring 2023.</li> <li>• Selected for the 2022 summer school on <b>New tools for optimal mixing of Markov chains: Spectral independence and entropy decay</b>, organized at the University of California at Santa Barbara.</li> <li>• Selected for the 2022 <b>Swedish Summer School on Theoretical Computer Science</b> organized by KTH.</li> </ul>		
RELEVANT COURSES	<ul style="list-style-type: none"> <li>• Probability Theory</li> <li>• Intro to Analysis 2</li> <li>• Probabilistic Combinatorics</li> </ul>	<ul style="list-style-type: none"> <li>• Concentration of Measure</li> <li>• Algorithmic ML &amp; DS</li> <li>• Bayesian ML</li> </ul>	<ul style="list-style-type: none"> <li>• Info Thy Methods in Stats</li> <li>• Mathematical Statistics</li> <li>• Rand Numerical LA</li> </ul>