

APOORV VIKRAM SINGH

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EDUCATION	<p>New York University, Tandon School of Engineering <i>Ph.D. Student in Computer Science</i> Supported by the School of Engineering Fellowship Advisor: Prof Christopher Musco</p> <p>International Institute of Information Technology, Bangalore <i>Integrated Masters of Technology</i> Information Technology, Specialization: Theoretical Computer Science Thesis: Clustering Perturbation Resilient Instances Advisor: Prof G. Srinivasaraghavan</p>	<p>Sept 2020 - Present</p> <p>Aug 2013 - July 2018</p>
EXPERIENCE	<p>Visiting Researcher, INRIA Lille MODAL Team, INRIA Lille, France Advisor(s): Dr Hemant Tyagi (INRIA), Prof Mihai Cucuringu (Univ. of Oxford)</p> <p>Project Associate, IISc Bangalore Department of CSA, Indian Institute of Science (IISc) Advisor(s): Prof Anand Louis (IISc), Dr Amit Deshpande (Microsoft Research)</p> <p>Narendra Summer Intern, IISc Bangalore Department of CSA, Indian Institute of Science Advisor: Prof Anand Louis (IISc)</p>	<p>Oct 2019 - Jan 2020</p> <p>Aug 2018 - Aug 2019</p> <p>Summer 2017</p>
RESEARCH	My research interests lie at the intersection of computer science and statistical machine learning. Currently, I am working on problems in the area of robust statistics, and algorithms for sparse spectrum estimation.	
PUBLICATIONS	<ul style="list-style-type: none">• Regularized Spectral Methods for Clustering Signed Networks (with Mihai Cucuringu, Deborah Sulem, and Hemant Tyagi) <i>Preprint 2020, (Link)</i>• On Euclidean k-Means Clustering with α-Center Proximity (with Amit Deshpande and Anand Louis) <i>Accepted at AISTATS 2019, (Link)</i>• Approximation Algorithms for Cost-Balanced Clustering (with Amit Deshpande, Anand Louis, and Deval Patel) <i>Preprint 2019, (Link)</i>	
TEACHING	<ul style="list-style-type: none">• E0306: Deep Learning, Theory and Practice Grader for the course at IISc Bangalore• E0203: Spectral Algorithms Grader for the course at IISc Bangalore	<p>Spring 2019</p> <p>Spring 2018</p>