

APOORV VIKRAM SINGH

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EDUCATION	New York University, Tandon School of Engineering <i>Ph.D. Student in Computer Science</i> Supported by the School of Engineering Fellowship Advisor: Christopher Musco International Institute of Information Technology, Bangalore <i>Integrated Masters of Technology</i> Information Technology, Specialization: Theoretical Computer Science Thesis: Clustering Perturbation Resilient Instances Advisor: G. Srinivasaraghavan	Sept 2020 - Present Aug 2013 - July 2018
EXPERIENCE	Visiting Researcher, INRIA Lille MODAL Team, INRIA Lille, France Advisor(s): Hemant Tyagi (INRIA), Mihai Cucuringu (Univ. of Oxford) Project Associate, IISc Bangalore Department of CSA, Indian Institute of Science (IISc) Advisor(s): Anand Louis (IISc), Amit Deshpande (Microsoft Research) Narendra Summer Intern, IISc Bangalore Department of CSA, Indian Institute of Science Advisor: Anand Louis	Oct 2019 - Jan 2020 Aug 2018 - Aug 2019 Summer 2017
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	<ol style="list-style-type: none">1. Regularized Spectral Methods for Clustering Signed Networks (with Mihai Cucuringu, Deborah Sulem, and Hemant Tyagi) <i>Preprint 2020, (Link)</i>2. On Euclidean k-Means Clustering with α-Center Proximity (with Amit Deshpande and Anand Louis) <i>Accepted at AISTATS 2019, (Link)</i>3. Approximation Algorithms for Cost-Balanced Clustering (with Amit Deshpande, Anand Louis, and Deval Patel) <i>Preprint 2019, (Link)</i>	
TEACHING	E0306: Deep Learning, Theory and Practice Grader for the course at IISc Bangalore E0203: Spectral Algorithms Grader for the course at IISc Bangalore	Spring 2019 Spring 2018