

EDUCATION	<p><b>Columbia University, Graduate School of Business</b>, New York, NY 2020-present Ph.D. candidate in Decision, Risk and Operations division. GPA: 10.02/10.00 Advisors: Prof. Omar Besbes and Prof. Yash Kanoria</p> <p><b>University of Michigan</b>, Ann Arbor, MI 2018-2020 Master of Science in Electrical and Computer Engineering. GPA: 4.27/4.00. Advisor: Prof. Vijay Subramanian</p> <p><b>Indian Institute of Technology Madras</b>, Chennai, India 2014-2018 Bachelor of Technology in Electrical Engineering, minor in Robotics. GPA: 8.81/10.00 Advisor: Prof. Rahul Vaze, Tata Institute of Fundamental Research</p>
RESEARCH INTERESTS	Dynamic Resource Allocation, Online Matching, Recommendation Systems
JOURNAL PUBLICATIONS	<p><b>Dynamic Resource Allocation: Algorithmic Design Principles and Spectrum of Achievable Performances</b> with Omar Besbes and Yash Kanoria. <i>Forthcoming in Operations Research</i></p> <p>☛ An earlier version appeared with the title “The Multi-secretary problem with many types”</p> <p>★ Finalist, 2023 INFORMS George Nicholson student paper competition</p> <p>★ Finalist, 2023 Jeff McGill RMP Best Student Paper Prize</p>
CONFERENCE PUBLICATIONS	<p><b>The Fault in Our Recommendations: On the Perils of Optimizing the Measurable</b> with Omar Besbes and Yash Kanoria. <i>RecSys’24: 18th ACM Conference on Recommender Systems Proceedings</i></p> <p><b>Feature Based Dynamic Matching</b> with Yilun Chen, Yash Kanoria and Wenxin Zhang. <i>EC’23: Proceedings of the 2023 ACM Conference on Economics and Computation</i>. <i>Major Revision in Operations Research</i></p> <p><b>The Multi-secretary problem with many types</b> with Omar Besbes and Yash Kanoria. <i>EC’22: Proceedings of the 2022 ACM Conference on Economics and Computation</i>.</p> <p><b>Low-cost aerial imaging for small holder farmers</b> with Ranveer Chandra et al. <i>COMPASS’19: Proceedings of the 2nd ACM SIGCAS Conference on Computing and Sustainable Societies</i> ★ Best Paper Award at COMPASS’19</p> <p><b>Speed scaling under QoS constraints with finite buffer</b> with Parikshit Hegde and Rahul Vaze. <i>WiOpt’18: 16th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks</i>.</p> <p><b>Breaking the Unit Throughput Barrier in Distributed System</b> with Parikshit Hegde, Rahul Vaze, Amira Alloum, Cedric Adjih. <i>NCC’23: Twenty-Ninth National Conference on Communications</i></p>
WORKING PAPERS	<b>Impact of Rankings and Personalized Recommendations in Marketplaces</b> with Omar Besbes and Yash Kanoria. <i>Under Preparation</i>
PATENTS	<p>US20180213186 A1 <i>Low-cost, Long-term Aerial Imagery</i></p> <p>US20180213187 A1 <i>Aerial imaging of a region using above ground aerial camera platform</i></p>
INDUSTRY INTERNSHIPS	<p><b>Amazon</b>, Bellevue, Washington June 2023 - September 2023</p> <p>Worked on designing algorithms and decision support tools for multi-objective optimization for order fulfillment problems.</p>

	<b>Nokia Bell Labs</b> , Paris, France	May 2018 - August 2018
	Worked on developing and analysing decoding schemes for distributed wireless systems with applications in 5G and Internet of Things.	
	<b>Microsoft Research</b> , Bangalore, India	June 2016 - August 2016
	Worked on designing low cost solutions to enable precision agriculture for small farm holders. <i>Industry Category Winner at Microsoft OneWeek Hackathon</i>	
TEACHING EXPERIENCE	<b>Columbia University, Teaching Assistant</b>	
	Business Analytics (MBA Core)	Fall 2023
	Operations Management (EMBA Core)	Spring 2023
	Business Analytics (EMBA core)	Spring 2022
	Foundations of Optimization (PhD core)	Fall 2021
PROFESSIONAL SERVICE	Co-organizer for the NYC Operations Day PhD Colloquium, 2024 Brown Bag (DRO Internal Seminar) series co-organizer, 2022-2024 DRO PhD student representative, 2022-2024 Reviewer for <i>Mathematics of Operations Research</i> , <i>Operations Research</i>	
AWARDS	Rising Star, Stanford Management Science and Engineering, 2024 Finalist, INFORMS George Nicholson student paper competition, 2023 Finalist, Jeff McGill RMP Best Student Paper Prize, 2023 Deming Doctoral Fellowship, Columbia Business School, 2023-2024 Narula Doctoral Fellowship, Columbia Business School, 2023 Best Paper Award, COMPASS'19, 2019 Industry Category Winner at Microsoft OneWeek Hackathon, 2016 Recipient of Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship by Government of India, 2014 Recipient of National Talent Search Examination (NTSE) scholarship by Government of India, 2011	
SKILLS	<b>Programming:</b> Python, C/C++ <b>Tools:</b> Git, L <sup>A</sup> T <sub>E</sub> X	
SELECTED TALKS	<b>Dynamic Resource Allocation: Algorithmic Design Principles and Spectrum of Achievable Performances</b>	
	Purdue Operations Conference, West Lafayette, IN	August 2024
	IEOR Seminar, IIT Bombay, Mumbai, India	August 2024
	ISMP Conference, Montreal, Canada	July 2024
	RMP Annual Conference, Los Angeles, CA	July 2024
	MS&E Rising Stars Workshop, Stanford, CA	April 2024
	INFORMS Annual Meeting, Phoenix, AZ	October 2023
	Fulfillment Optimization Research Series, Amazon	August 2023
	TIFR, Mumbai, India	May 2023
	<b>Feature-Based Dynamic Matching</b>	
	MSOM Annual Conference, Minneapolis, MN	July 2024
	Marketplace Innovation Workshop, Online	May 2024
	RMP Annual Conference, London, England	June 2023
	<b>A PROOF: Approximately PaReto Optimal Order Fulfillment</b>	
	Deming Doctoral Fellowship Seminar, Columbia Business School	May 2024
	<b>The multi-secretary problem with many types</b>	
	INFORMS Annual Meeting, Indianapolis, IN	October 2022
	Economics and Computation, Boulder, CO	July 2022
	MSOM Annual Conference, Munich	June 2022
	RMP Annual Conference, Online	June 2022