

EDUCATION	<p>Columbia University, Graduate School of Business, 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>University of Michigan, Ann Arbor, MI 2018-2020 Master of Science in Electrical and Computer Engineering. GPA: 4.27/4.00. Advisor: Prof. Vijay Subramanian Masters' Thesis: <i>Finite Time Guarantees for Empirical Dynamic Programs</i></p> <p>Indian Institute of Technology Madras, 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 Bachelors' Thesis: <i>Speed Scaling under QoS constraints with finite buffer</i></p>
RESEARCH INTERESTS	Dynamic Resource Allocation, Online Algorithms, Reinforcement Learning
WORKING PAPERS	<p>Dynamic Resource Allocation: Algorithmic Design Principles and Spectrum of Achievable Performances with Omar Besbes and Yash Kanoria. <i>Under Review at Operations Research</i></p> <ul style="list-style-type: none"> ✪ An earlier version appeared with the title "The Multi-secretary problem with many types" ★ Finalist, 2023 INFORMS George Nicholson student paper competition ★ Finalist, 2023 Jeff McGill RMP Best Student Paper Prize
PUBLICATIONS	<p>Feature Based Dynamic Matching with Yilun Chen, Yash Kanoria and Wenxin Zhang. <i>EC'23: Proceedings of the 2023 ACM Conference on Economics and Computation</i>.</p> <p>The Multi-secretary problem with many types with Omar Besbes and Yash Kanoria. <i>EC'22: Proceedings of the 2022 ACM Conference on Economics and Computation</i>.</p> <p>Low-cost aerial imaging for small holder farmers 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>Speed scaling under QoS constraints with finite buffer 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>Breaking the Unit Throughput Barrier in Distributed System with Parikshit Hegde and Rahul Vaze. <i>NCC'23: Twenty-Ninth National Conference on Communications</i></p>
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>Amazon, Bellevue, Washington June 2023 - September 2023 Worked on designing algorithms and decision support tools for multi-objective optimization for order fulfillment problems.</p> <p>Nokia Bell Labs, 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.</p> <p>Microsoft Research, 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></p>

TEACHING EXPERIENCE	Columbia University, Teaching Assistant	
	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
AWARDS	Finalist, INFORMS George Nicholson student paper competition, 2023	
	Finalist, Jeff McGill RMP Best Student Paper Prize, 2023	
	Deming Doctoral Fellowship, Columbia Business School, 2023	
	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	Programming: Python, C/C++, JavaScript, PHP, HTML, CSS Tools: Git, L ^A T _E X, ROS	
SELECTED TALKS	<i>Dynamic Resource Allocation: Algorithmic Design Principles and Spectrum of Achievable Performances</i>	
	INFORMS Annual Meeting, Phoenix	October 2023
	Fulfillment Optimization Research Series, Amazon	August 2023
	TIFR, Mumbai	May 2023
	<i>The multi-secretary problem with many types</i>	
	TIFR, Mumbai	May 2023
	MSOM Annual Conference, Munich	June 2022
	RMP Annual Conference, Online	June 2022
	EC'22, Boulder	July 2022
	INFORMS Annual Meeting, Indianapolis	October 2022
	<i>Feature-Based Dynamic Matching</i>	
	INFORMS Annual Meeting, Indianapolis	October 2022
	RMP Annual Conference, London, England	June 2023