

Hari Bandi

CONTACT INFORMATION	Operations Research Center Massachusetts Institute of Technology 77 Massachusetts Avenue, E40-130 Cambridge, MA 02139	Phone: (617) 372-3894 Email: hbandi@mit.edu Web: http://www.mit.edu/~hbandi
EDUCATION	Massachusetts Institute of Technology , Cambridge MA <i>Sloan School of Management - Operations Research Center</i> Candidate for Ph.D. in Operations Research Advisor: Dimitris Bertsimas	2016-present
	Indian Institute of Technology Kharagpur , India Integrated Masters in Mathematics and Computer Science Minor in Economics	2011-2016
WORK EXPERIENCE	Nference Inc , Cambridge, MA <i>Research Scientist</i> Mentors: Colin Pawlowski, AJ Venkatakrisnan Developed methods to analyze immunization records from Mayo Clinic and identify (existing) vaccines that have protective effect against SARS-CoV-2 infection.	Summer 2020
	IBM T.J. Watson Research Center , New York, NY <i>Research Intern</i> , Business Analytics and Mathematical Sciences Mentors: Pavithra Harsha, Markus Ettl Worked on a dynamic pricing problem for a major US airline employing consumer choice models and demand forecasting methods.	Summer 2016
	Columbia University , New York, NY <i>Research Intern</i> , Industrial Engineering and Operations Research Mentors: Garud Iyengar, Vineet Goyal Developed theory and algorithms for solving robust regression problems. Awarded INFORMS Undergraduate OR Prize for this work.	Summer 2015
	Google , Hyderabad, India <i>Software Engineering Intern</i> , Google AI Mentor: Shailesh Kumar Developed algorithms to understand utterances in a conversation and generate coherent sentences in response using WordNet.	Summer 2014
PUBLICATIONS	“Exploratory analysis of immunization records highlights decreased SARS-CoV-2 rates in individuals with recent non-COVID-19 vaccinations”, submitted. “Optimizing Influenza Vaccine Composition: From Predictions to Prescriptions”, D. Bertsimas, to appear in <i>Proceedings of Machine Learning Research</i> . “Learning a Mixture of Gaussians via Mixed Integer Optimization”, D. Bertsimas and R. Mazumder, <i>INFORMS Journal on Optimization</i> , 2018. “Robust Learning of Multivariate Gaussians and Mixtures: A Computational Discrete Optimization Approach”, R. Mazumder, submitted. “An Algorithmic Perspective on Regression Function Estimation with Smoothness and Shape Constraints”, R. Mazumder, submitted. “Statistical Hypothesis Testing via Robust Optimization”, D. Bertsimas and R. Mazumder, in preparation. “Regularized Linear Regression via Robust Optimization Lens”, V. Goyal and G. Iyengar, working	

paper.

HONORS AND
AWARDS

Finalist in INFORMS Undergraduate OR award.

Award for Institute Silver medal at IIT Kharagpur.

Award for Academic Excellence at IIT Kharagpur.

Award for KVPY Fellowship from Department of Science and Technology, Govt. of India.

Award for INSPIRE Scholarship from Department of Science and Technology, Govt. of India.

TEACHING
EXPERIENCE

Massachusetts Institute of Technology

Teaching Assistant

- 15.071: Analytics Edge (MBA Core), Spring 2020.
- 15.071: Analytics Edge (Advanced, MBAn Core), Spring 2019.
- 15.060: Data, Models and Decisions (MBA Core), Fall 2017.
- 15.089: Analytics Capstone Project (MBAn Core), Spring 2017.

TECHNICAL
SKILLS

Languages: Python, Julia, C++, R and SQL.

Technologies: TensorFlow, Map-Reduce and Borg.