

Sai Srivatsa Ravindranath

CONTACT INFORMATION	Harvard University 5.428, Science and Engineering Campus, Allston, MA	http://saisrivatsa.com/saisr@g.harvard.edu
INTERESTS	Economics and Computation (Market Design, Economic Theory, Algorithmic Economics) Machine Learning (Deep Learning, Differentiable Programming)	
EDUCATION	Harvard University Ph.D candidate in Computer Science Advisor: Prof. David Parkes Indian Institute of Technology, Kharagpur B. Tech (with Honors) in EE, Minor in CS	(July 2020 - Present) (2012 - 2016)
PREVIOUS EMPLOYMENT	Harvard University <i>Fellow of Computer Science</i> Microsoft Research, India <i>Research Fellow</i> in Machine Learning and Optimization Group	
PUBLICATIONS	^α denotes alphabetical ordering of authors <ul style="list-style-type: none">Preprints<ul style="list-style-type: none">Data Market Design through Deep Learning <u>SS. Ravindranath</u>, Y. Jiang, DC. ParkesDeep Learning for Two-Sided Matching <u>SS. Ravindranath</u>, Z. Feng, S. Li, J. Ma, SD. Kominers, DC. Parkes Sixth International Workshop on Matching Under Preferences (MATCH-UP 2022) ArXiv: https://arxiv.org/pdf/2107.03427.pdfConference Papers<ul style="list-style-type: none">From Predictions to Decisions: Using Lookahead Regularization N. Rosenfeld, S. Hilgard, <u>SS. Ravindranath</u>, DC. Parkes Thirty-Fourth Conference on Neural Information Processing Systems (NeurIPS 2020) ArXiv: https://arxiv.org/pdf/2006.11638.pdfOptimal Auctions through Deep Learning^α P. Dutting, Z. Feng, H. Narasimhan, DC. Parkes, <u>SS. Ravindranath</u>. Thirty-Sixth International Conference on Machine Learning (ICML 2019) ArXiv: https://arxiv.org/pdf/1706.03459.pdfSalient Object Detection via Objectness Measure <u>SS. Ravindranath</u>, RV. Babu Twenty-Second International Conference on Image Processing (ICIP 2015) ArXiv: https://arxiv.org/pdf/1506.07363.pdfJournal Articles<ul style="list-style-type: none">Optimal Auctions through Deep Learning^α P. Dutting, Z. Feng, H. Narasimhan, DC. Parkes, <u>SS. Ravindranath</u>. Communications of the ACM, Volume 64 (8), August 2021 DOI: https://dl.acm.org/doi/10.1145/3470442Book Chapters<ul style="list-style-type: none">Machine Learning for Matching Markets^α Z. Feng, DC. Parkes, <u>SS. Ravindranath</u>. In F. Echenique N. Immorlica and V. Vazirani, editors <i>Online matching theory and market design</i>. Cambridge University Press, 2022.Machine Learning for Optimal Economic Design^α P. Dutting, Z. Feng, N. Golowich, H. Narasimhan, DC. Parkes, <u>SS. Ravindranath</u>.	

In JF Laslier, H. Moulin, MR. Sanver, WS. Zwicker, editors,
The Future of Economic Design. Springer, 2019

- Workshop Papers

Learning Objective functions for Improved Image retrieval

SS. Ravindranath, M. Gygli, LV. Gool

MediaEval Workshops, 2015.

SCHOLARSHIPS,
ACHIEVEMENTS

Inspire Fellowship for Higher Education

Program by Dept. of Science and Technology, Govt. of India

Kishore Vaigyanik Protsahan Yojna Fellowship (KVPY)

Awarded to top 250 students in India by Dept. of Science and Technology, Govt. of India

Certificate of Merit in:

- Indian National Mathematics Olympiad (INMO)
- National Standard Examinations in Chemistry (NSEC).
- National Standard Examinations in Physics (NSEP).

National Talent Search Scholarship (NTSE)

Awarded to top 1000 high school students in India by NCERT

TEACHING

CS 136: Economics and Computation (Teaching Fellow)

Harvard University, Fall 2021

INVITED TALKS

Deep Learning for Two-Sided Matching

- Workshop on Matching Under Preferences (MATCH-UP 2022)
- Deep Learning and Mechanism Design (INFORMS 2021)

SERVICE

Reviewer

NeurIPS 2023, ICLR 2023, NeurIPS 2022, ICLR 2022 Gamification and Multiagent Solutions Workshop, NeurIPS 2021