

# Sai Srivatsa Ravindranath

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- CONTACT INFORMATION Harvard University <http://saisrivatsa.com/saisr@cg.harvard.edu>  
5.428, Science and Engineering Campus, Allston, MA
- EDUCATION **Harvard University** (Aug 2020 - )  
Ph.D student in Computer Science  
Advisor: Prof. David Parkes  
**Indian Institute of Technology, Kharagpur** (July 2012 - April 2016)  
B. Tech with Honors in Electrical Engineering  
Minor in Computer Science
- EMPLOYMENT **Harvard University** (Oct 2017 - Aug 2020)  
*Fellow of Computer Science* Advisor: Prof. David Parkes  
**Microsoft Research, India** (Aug 2016 - Aug 2017)  
*Research Fellow* Advisor: Dr. Prateek Jain
- PUBLICATIONS <sup>α</sup> denotes alphabetical ordering of authors
- Preprints  
**Deep Learning for Two-Sided Matching**  
SS. [Ravindranath](#), Z. Feng, S. Li, J. Ma, SD. Kominers, DC. Parkes  
ArXiv: <https://arxiv.org/pdf/2107.03427.pdf>
  - Conference Papers  
**From Predictions to Decisions: Using Lookahead Regularization**  
N. Rosenfeld, S. Hilgard, [SS. Ravindranath](#), DC. Parkes  
Thirty-Fourth Conference on Neural Information Processing Systems (NeurIPS 2020)  
ArXiv: <https://arxiv.org/pdf/2006.11638.pdf>  
**Optimal Auctions through Deep Learning<sup>α</sup>**  
P. Dutting, Z. Feng, H. Narasimhan, DC. Parkes, [SS. Ravindranath](#).  
Thirty-Sixth International Conference on Machine Learning (ICML 2019)  
ArXiv: <https://arxiv.org/pdf/1706.03459.pdf>  
**Salient Object Detection via Objectness Measure**  
[SS. Ravindranath](#), RV. Babu  
Twenty-Second International Conference on Image Processing (ICIP 2015)  
ArXiv: <https://arxiv.org/pdf/1506.07363.pdf>
  - Journal Articles  
**Optimal Auctions through Deep Learning<sup>α</sup>**  
P. Dutting, Z. Feng, H. Narasimhan, DC. Parkes, [SS. Ravindranath](#).  
Communications of the ACM, Volume 64 (8), August 2021  
DOI: <https://dl.acm.org/doi/10.1145/3470442>
  - Book Chapters  
**Machine Learning for Matching Markets<sup>α</sup>**  
Z. Feng, DC. Parkes, [SS. Ravindranath](#).  
In F. Echenique N. Immorlica and V. Vazirani, editors  
*Online matching theory and market design*. Cambridge University Press, 2022.  
**Machine Learning for Optimal Economic Design<sup>α</sup>**  
P. Dutting, Z. Feng, N. Golowich, H. Narasimhan, DC. Parkes, [SS. Ravindranath](#).  
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.

TEACHING	<b>CS 136: Economics and Computation</b> <i>Teaching Fellow in Computer Science</i> Harvard University	Fall 2021
SCHOLARSHIPS, ACHIEVEMENTS	<b>Inspire Fellowship for Higher Education</b> Program by Dept. of Science and Technology, Govt. of India <b>Kishore Vaigyanik Protsahan Yojna Fellowship (KVPY)</b> Awarded to <u>top 250</u> students in India by Dept. of Science and Technology, Govt. of India <b>Certificate of Merit</b> in: Indian National Mathematics Olympiad (INMO) National Standard Examinations in Chemistry (NSEC). National Standard Examinations in Physics (NSEP). <b>National Talent Search Scholarship (NTSE)</b> Awarded to <u>top 1000</u> high school students in India by NCERT	2012  2011  2011     2009
PRESS COVERAGE	IIT Kharagpur innovation to monitor fatigue level in pilots. Stressed? Now, wear a pair of glasses and find out how much.	Hindustan Times, 2016 Times of India, 2016