Shreyas Pai

Contact Information

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Research Interests

My research interests are in Theoretical Computer Science, more specifically in Distributed Algorithms, Communication Complexity, Combinatorial Optimization, and Algorithmic Game Theory.

Education

PhD in Computer Science **2016–present**
The University of Iowa Iowa City, USA
Concentration Area: Distributed Algorithms. CGPA: 4.06/4

B.Tech in Computer Engineering **2012–2016**
Veermata Jijabai Technological Institute Mumbai, India
CGPA: 8.13/10

Papers

- ◇ *A Constant Approximation for Colorful k-Center*
  with Sayan Bandyapadhyay, Tanmay Inamdar, and Kasturi Varadarajan, in ESA 2019
- ◇ *Connectivity Lower Bounds in the Broadcast Congested Clique*
  with Sriram Pemmaraju, PODC 2019 (Brief Announcement)
- ◇ *Large-Scale Distributed Algorithms for Facility Location with Outliers*
  with Tanmay Inamdar, and Sriram Pemmaraju, in OPODIS 2018
- ◇ *Near Optimal Clustering in the k-machine model*
  with Sayan Bandyapadhyay, Tanmay Inamdar, and Sriram Pemmaraju, in ICDCN 2018
- ◇ *Symmetry Breaking in the Congest Model: Time– and Message–Efficient Algorithms for Ruling Sets*
  with Gopal Pandurangan, Sriram Pemmaraju, Talal Riaz, and Peter Robinson, in PODC 2017 (Brief Announcement) and DISC 2017.

Visits

- ◇ Research Internship at *Technion Israel Institute of Technology* in May – July 2019.
  Host: Prof. Keren Censor-Hillel.
  Focus: Algorithms and Lower Bounds in CONGEST.
- ◇ Research Internship at *Indian Institute of Science, Bangalore* in May – July 2016.
  Host: Prof. Siddharth Barman.
  Focus: Approximate Nash Equilibrium Computation.
- ◇ Program in Algorithmic and Combinatorial Thinking at *Princeton University*
  Part of the Advanced group.
  Focus: Machine Learning (June–Aug 2015) and Randomized Algorithms (June–Aug 2014).

Teaching Experience

Instructor **Spring 2017**
CS:3330 Algorithms, Section 2
Course Website: `https://homepage.cs.uiowa.edu/~sriram/3330/spring17`

Teaching Assistant **Fall 2016**
CS:1210 Computer Science 1: Fundamentals