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 Graph Algorithms. CGPA: 4.06/4

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

PAPERS

⋄ *Distributed Approximation on Power Graphs* (under review)
  with Reuven Bar-Yehuda, Keren Censor-Hillel, Yannic Maus, and Sriram Pemmaraju

⋄ *Spatiotemporal clustering of in-hospital Clostridioides difficile infection*, in Infection Control & Hospital Epidemiology 2019
  with Philip Polgreen, Alberto Segre, Daniel Sewell, and Sriram Pemmaraju

⋄ *A Constant Approximation for Colorful k-Center*, in ESA 2019
  with Sayan Bandyapadhyay, Tanmay Inamdar, and Kasturi Varadarajan

⋄ *Connectivity Lower Bounds in the Broadcast Congested Clique*, in PODC 2019 (BA)
  with Sriram Pemmaraju

⋄ *Large-Scale Distributed Algorithms for Facility Location with Outliers*, in OPODIS 2018
  with Tanmay Inamdar, and Sriram Pemmaraju

⋄ *Near Optimal Clustering in the k-machine model*, in ICDCN 2018
  with Sayan Bandyapadhyay, Tanmay Inamdar, and Sriram Pemmaraju

⋄ *Symmetry Breaking in the Congest Model: Time– and Message–Efficient Algorithms for Ruling Sets*, in PODC 2017 (BA) and DISC 2017
  with Gopal Pandurangan, Sriram Pemmaraju, Talal Riaz, and Peter Robinson.

FELLOWSHIPS

⋄ Graduate College Post Comprehensive Fellowship, Fall 2019

⋄ Graduate College Summer Fellowship, Summer 2019

VISITS

⋄ *Technion Israel Institute of Technology* in May – July 2019.
  Host: Prof. Keren Censor-Hillel.

⋄ *Indian Institute of Science, Bangalore* in May – July 2016.
  Host: Prof. Siddharth Barman

TEACHING
EXPERIENCE

⋄ CS:4330 Theory of Computation, Teaching Assistant, Spring 2020

⋄ CS:3330 Algorithms, Section 2, Instructor, Spring 2017 (`https://homepage.cs.uiowa.edu/~sriram/3330/spring17`)

⋄ CS:1210 Computer Science 1: Fundamentals, Teaching Assistant, Fall 2016