

Shreyas Pai

CONTACT INFORMATION	E-mail: shreyaspai24@gmail.com Phone: +91 983 366 9064 (M) Website: http://shreyaspai.com	
RESEARCH INTERESTS	My research interests are in Theoretical Computer Science, more specifically in Distributed Algorithms, Communication Complexity, and Combinatorial Optimization.	
EDUCATION	PhD and MS in Computer Science <i>The University of Iowa</i> Advisor: Prof. Sriram V. Pemmaraju. Area: Distributed Algorithms. CGPA: 4.07/4	2016–2021 Iowa City, USA
	B.Tech in Computer Engineering <i>Veermata Jijabai Technological Institute</i> CGPA: 8.13/10	2012–2016 Mumbai, India
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none">◇ Postdoc at <i>Aalto University</i>, Finland Host: Jara Uitto and Jukka Suomela.◇ Research Intern at <i>Technion Israel Institute of Technology</i> Host: Keren Censor-Hillel.◇ Research Intern at <i>Indian Institute of Science</i>, Bangalore Host: Siddharth Barman	August 2021 – present May – July 2019 May – July 2016
FELLOWSHIPS	<ul style="list-style-type: none">◇ Ballard Seashore Fellowship, Spring 2021◇ Graduate College Summer Fellowship, Summer 2020 and 2019◇ Graduate College Post Comprehensive Fellowship, Fall 2019	
TEACHING EXPERIENCE	<ul style="list-style-type: none">◇ 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	
PUBLICATIONS	<ul style="list-style-type: none">◇ <i>Can we Break Symmetry with $o(m)$ Communication?</i> in PODC 2021 with Gopal Pandurangan, Sriram Pemmaraju, and Peter Robinson.◇ <i>Sample-and-Gather: Fast Ruling Set Algorithms in the Low-Memory MPC Model</i>, in FSTTCS 2020 with Kishore Kothapalli and Sriram Pemmaraju.◇ <i>Distributed Approximation on Power Graphs</i>, in PODC 2020 with Reuven Bar-Yehuda, Keren Censor-Hillel, Yannic Maus, and Sriram Pemmaraju.◇ <i>Spatiotemporal clustering of in-hospital Clostridioides difficile infection</i>, in Infection Control & Hospital Epidemiology 2019 with Philip Polgreen, Alberto Segre, Daniel Sewell, and Sriram Pemmaraju.◇ <i>A Constant Approximation for Colorful k-Center</i>, in ESA 2019 with Sayan Bandyapadhyay, Tanmay Inamdar, and Kasturi Varadarajan.	

- ◇ *Connectivity Lower Bounds in the Broadcast Congested Clique*, in PODC 2019 (BA) and FSTTCS 2020
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.