

Divyarthi Mohan

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RESEARCH

I am broadly interested in Algorithms and Algorithmic Game Theory. My current research interests include Algorithmic Mechanism Design and Opinion Dynamics in Social Networks.

EDUCATION

Current **Princeton University**, Princeton
PhD candidate in COMPUTER SCIENCE
Advisor: S. Matthew Weinberg

2014 - 2016 **Institute of Mathematical Sciences**, Chennai
Master of Science in THEORETICAL COMPUTER SCIENCE
Advisor: Sayan Bhattacharya

2011 - 2014 **Indian Statistical Institute**, Bangalore
Bachelor of Mathematics (*Honours*)
FIRST CLASS WITH DISTINCTION

PUBLICATIONS & MANUSCRIPTS

Asynchronous Majority Dynamics in Preferential Attachment Trees
with Maryam Bahrani, Nicole Immorlica, S. Matthew Weinberg
International Colloquium on Automata, Languages and Programming (ICALP 2020).

Approximation Schemes for a Unit-Demand Buyer with Independent Items via Symmetries
with Pravesh Kothari, Ariel Schwartzman, Sahil Singla, S. Matthew Weinberg
Symposium on Foundations of Computer Science (FOCS 2019).

Improved Algorithm for Dynamic b-Matching
with Sayan Bhattacharya, Manoj Gupta
European Symposium on Algorithm (ESA 2017).

Persuading with Anecdotes
with Nika Haghtalab, Nicole Immorlica, Brendan Lucier, Markus Mobius
In Submission.

INTERNSHIPS & LONG-TERM VISITS

- SUMMER 2020 **Google**, Mountain View
Research Intern
Mentor: Kshipra Bhawalkar
Project: Rich Ad Auctions
- SEP - OCT 2019 **Simons Institute for the Theory of Computing**, Berkeley
Visiting Graduate Student
Program: Online and Matching-Based Market Design
- SUMMER 2019 **Microsoft Research**, New England
Research Intern
Mentors: Nicole Immorlica and Brendan Lucier
Project: Social Learning via Anecdotes

AWARDS

- Siebel Scholar**, Class of 2021
Thomas and Stacey Siebel Foundation
- SEAS Award for Excellence**, 2019
School of Engineering and Applied Science, Princeton University
- Graduate Student Teaching Award**, 2018
Department of Computer Science, Princeton University

INVITED WORKSHOPS

- JAN 2020 **Young Researcher Workshop on Economics and Computation**, Tel Aviv
Talk: Approximation Schemes for Revenue Maximization via Symmetries

SERVICE

- Reviewer** ITCS, SODA, WINE, EC, ESA
- Student Mentor** AGT Mentoring Workshop (EC 2020)

LEADERSHIP

- 2020 & 2019 **Graduate College Housing Committee**, Princeton
Facilities Chair
- 2017 - 2018 **Association of South Asians at Princeton**
Events and Social Chair

TEACHING

- SPRING 2018 TA - Economics and Computation (COS 445)
- FALL 2017 TA - Advanced Algorithm Design (COS 521)