

Siddhartha Jain

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Education

2020 - 2022	MSc. in Computer Science École Polytechnique Fédérale de Lausanne (EPFL)
2016 - 2020	BTech. in Computer Science & Applied Mathematics Indraprastha Institute of Information Technology (IIITD)

Publications

FOCS'21 (Invited to Special Issue)	Unambiguous DNFs and Alon-Saks-Seymour with Mika Göös (EPFL) , Kaspars Balodis (ULatvia) , Shalev Ben-David (UWaterloo) , Robin Kothari (Microsoft Research)
In preparation	Communication Complexity of Collision with Mika Göös (EPFL) <i>Description:</i> We prove a polynomial lower bound for a natural two party version of the Collision problem: decide whether a given function is 2-1 or 1-1.
In preparation	Query analogues of TFNP with Mika Göös , Gilbert Maystre (EPFL) , Alexandros Hollender (Oxford) , Robert Robere , Ran Tao , William Pires (McGill) <i>Note:</i> A talk by Mika on this project on Nov 22

Projects

Unsupervised Preprocessing for Clustering with Shay Ben-Elazar (Microsoft Research) , Vincent Cohen-Addad (Google Research) , Karthik CS (Rutgers)
Probabilistic & Interactive Proofs with Alessandro Chiesa (UC Berkeley, EPFL)

Employment

2021-2022	MSc. Research Scholar - EPFL Part of the Research Scholar program by the IC department, working with Mika Göös (EPFL) .
2019	Research Intern - ITCS Shanghai Summer intern with Bundit Laekhanukit (SUFE) .

Honors & Awards

2021	Paper invited to SICOMP Special Issue of FOCS 2021
2021	MSc Research Scholar
2020	Graduation with Honors (IIITD)
2019	Dean's list (IIITD)

Miscellaneous

Languages	Hindi: native English: fluent (written and spoken) French: some
Programming	Python, \LaTeX , Java (some), scala (some)
Service	ICALP21
Coursework	Advanced Algorithms, Learning Theory, Probabilistic Methods in Combinatorics, Spectral Graph Algorithms, Computational Complexity, Information Theory