Vaibhav KRISHAN

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EDUCATION

Doctoral Student COMPUTER SCIENCE AND ENGINEERING	Indian Institute of Technology Bombay CPI: 9.09/10	2017-Present
Bachelor of Technology COMPUTER SCIENCE AND ENGINEERING	Indian Institute of Technology Bombay CPI: 7.59/10	2009-2013

JOURNAL PUBLICATIONS

Algorithmica 2022	A #SAT Algorithm for Small Constant-depth Circuits with PTF gates with Swapnam Bajpai, Deepanshu Kush, Nutan Limaye and Srikanth Srinivasan Algorithmica 84, 1132-1162 (2022).

CONFERENCE PUBLICATIONS

CSR 2021	Upper Bound for Torus Polynomials The 16th International Computer Science Symposium in Russia, CSR 2021.
ITCS 2019	A #SAT Algorithm for Small Constant-depth Circuits with PTF gates with Swapnam Bajpai, Deepanshu Kush, Nutan Limaye and Srikanth Srinivasan The 10th 10th Innovations in Theoretical Computer Science Conference, ITCS 2019.

PREPRINTS

ECCC	Isolation Lemma for Directed Reachability and NL vs. L with Nutan Limaye

TALKS AND PRESENTATIONS

Presentation	Upper Bound for Torus Polynomials The 16th International Computer Science Symposium in Russia, CSR 2021. (online)
Presentation and Poster	A #SAT Algorithm for Small Constant-depth Circuits with PTF gates The 10th Innovations in Theoretical Computer Science Conference, ITCS 2019.

Teaching Assistance

- CS 310(Automata Theory, twice, awarded best TA of the month)
- CS 721(Introduction to Computational Complexity)
- CS 601 (Algorithms and Complexity)
- CS 101 (Computer Programming and Utilization, awarded best TA)
- CS 767 (Theoretical Machine Learning)
- CS 779 (Extremal Combinatorics)

Professional Experience

- As Quantitative Strategy Developer for around 3.5 years.
- As Data Scientist for around 1 year.
- As Software Engineer for around 6 months.

Courses Undertaken during PhD

Maths	Advanced Probability Theory
	Commutative Algebra
	Topics in Algebra (Tropical Algebraic Geometry).
Electrical	Random Graphs: Theory and Applications.
Computer Science	Formal Models for Concurrent and Asynchronous Systems
	Combinatorics.

Personal Details

D.O.B.	09th December 1993
Sex	Male
Nationality	Indian
Marital Status	Married
Languages	English, Hindi