Siddhartha **Jain**

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EDUCATION

IIIT-DELHI
BTech in Computer Science & Applied Mathematics
May 2020 | New Delhi, India
Cum. GPA: 9.24 / 10
Major GPA: 9.55 / 10

SANSKRITI SCHOOL
May 2016 | New Delhi, India

LINKS

LinkedIn:// akareddy
Twitter:// @sidjai

COURSEWORK

GRADUATE†
Randomised Algorithms (A-)
Complexity Theory (A)
Abstract Algebra II (A-)
Quantum Computing (P*)
Advanced Linear Algebra (P*)
Coding Theory (P*)
Combinatorial Optimisation (P*)

UNDERGRADUATE
Modern Algorithm Design (A)
Theory of Computation (A)
Discrete Structures (A)
Combinatorics (A)
Linear Optimisation (A)
Number Theory (A+)
Abstract Algebra I (A)
Intro to Dynamical Systems (A)
Competitive Programming 1 (A)
Scientific Computing
Linear Algebra (A-)
* P - Planned
† - Course level 500+

SKILLS

LaTeX • Python • Julia
C++ • Java • Matlab

INTERESTS

RESEARCH
Algorithms & Complexity Theory
(...)

OTHER
Photography
Creative Writing
Badminton

EXPERIENCE

ISRAEL INSTITUTE FOR ADVANCED STUDIES | Scholar
Dec 2019 | Jerusalem, Israel
Accepted to the Winter School on **Mathematics of Quantum Computation**.

ITCS@SUFE | Research Intern
May 2019 - July 2019 | Shanghai, China
Supervisor: **Prof Bundit Laekhanukit**

INDIAN INSTITUTE OF SCIENCE | Summer Scholar
July 2019 | Bangalore, India
Selected for scholarship to attend the summer school on the topic **Mathematics for Data Science** organised by IFCAM.

IIIT-DELHI | Teaching Assistant
Aug 2018 - Nov 2018 | New Delhi, India
Course: Discrete Structures

RESEARCH

BACHELOR'S THESIS | Guillotine Cuts and Pattern Avoidance
May 2018 – May 2019
Advisors: **Prof Rajiv Raman**, **Prof Samrith Ram**.
Worked on Guillotine Cuts for Axis Parallel Rectangles presented directly in **On Guillotine Cutting Sequences** [Abed, Chalermsook et al], which would imply a polytime $O(1)$ approximation algorithm for MISR. We found an interesting link with Pattern Matching in Permutations.

INDEPENDENT PROJECT | Online Matching
Aug 2019 - Present
Supervisor: **Prof Syamantak Das**

PROJECTS

INDEPENDENT STUDY | Algorithms for Big Data
Aug 2019 - Present
Supervisor: **Prof Rajiv Raman**. Studying and presenting topics in and related to Streaming/Sketching to Prof Rajiv and some of my peers.

EXTERNAL REVIEWER | Journal of Computer and System Sciences
Oct 2018 - Nov 2018
Supervisor: **Prof Debajyoti Bera**

ACHIEVEMENTS

2018-19	Dean's List	IIIT-Delhi
2019	Top 2	CMI **STEMS** CS (Camp Selection)

POSITIONS OF RESPONSIBILITY

ÉVARISTE MATH CLUB | Founder and Coordinator
Mar 2017 – Present
Website **link**. 40+ active members, 8 innovative events per semester. Organised **Convergence** along with Math dept of IIIT-Delhi.

STUDENT SENATE | Batch Representative + DAC Representative
April 2018 – Aug 2019
Representing CSAM 2016 batch, and the entire student body in Disciplinary Action Committee.