MAYANK KHARBANDA

Doctoral Student, KRaCR, MIDAS, IIITD

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SUMMARY

I am primarily interested in fields under Discrete Mathematics. I am currently working in the area of multi-modal knowledge graphs under the guidance of Dr. V. Raghava Mutharaju and Dr. Rajiv Ratn Shah.

SKILLS

Languages: Python, C++.

Technologies: Latex, Docker, NVim.

INTERESTS

◯ Theoretical Computer Science   ◯ Machine Learning   ◯ Discrete Mathematics

◯ Probability Theory   ◯ Permutations and Combinations   ◯ Network Science

PROJECTS

Python, Shell Script	**PRNG TESTER** Generating Pseudo-Random Numbers efficiently, tested and purified.	
TensorFlow	**PRNG** Creating a PRNG using GANs	
Python, JavaScript	**GET-BLOCK** Simulation of Buffer Management System in UNIX.	

EDUCATION

8/2020 - Present	**PhD** Aggregate: 8.82/10 CGPA	CSE, IIIT Delhi
8/2018 - 7/2020	**MSc (Computer Science)** Aggregate: 78.25%	Department of Computer Science, University of Delhi
8/2015 - 7/2018	**BSc(H) (Computer Science)** Aggregate: 8.784/10 CGPA	Sri Guru Gobind Singh College of Commerce, University of Delhi

EXPERIENCE

1/2020 – 7/2020	**Research Associate** · Analysis of Quantum Random Number Generators/Test Suites	IIIT Delhi/ DRDO
2016 – 2017	**Data Analyst** · Analysis of air pollution data	OpenVayu

SCHOLARSHIPS & FELLOWSHIPS

8/2020 – 7/2025	**JRF-SRF Fellowship (Dec 2019)** Percentile - 99.948	University Grant Commission
4/2015 – 3/2020	**CSSS Scholarship for Merit**	Ministry of Education

PUBLICATIONS

2023	**Node Injection for Class-specific Network Poisoning** Ansh Kumar Sharma*, Rahul Kukreja*, Mayank Kharbanda*, and Tanmoy Chakraborty *Neural Networks, 2023*

REVIEWER

2024	**The Web Conf.** PC Member (Industry)
2023	**CIKM** Sub-reviewer

2023	**The Web Conf. - Companion**
	PC Member (Industry)
2023	**IJCKG**
	Sub-reviewer
2023	**K-CAP**
	Sub-reviewer

TEACHING

Monsoon 2023	**Digital Image Processing**
	Head Teaching Assistant
Winter 2023	**Fundamentals of Database Management Systems**
	Teaching Assistant

EXTRA CURRICULAR ACTIVITIES

Organiser - KetchupTalks CSE   Ambassador - Future City Summit
Member - Infinity - Tech Society   Member - ACE - Computer Science Society