

## Arindam Khan

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### CONTACT

#### INFORMATION

**Mailing Address:**

Department of Computer Science and Automation, Indian Institute of Science (IISc),  
Bengaluru, Karnataka, India 560012.

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**Web:** <https://www.csa.iisc.ac.in/arindamkhan/>

### RESEARCH

#### INTERESTS

Algorithms, Optimization, Theoretical AI/ML.

Specially, Approximation and Online Algorithms, Computational Geometry, Learning Theory, and Fairness.

### EDUCATION

**Georgia Institute of Technology**, Atlanta, USA. 2010-2015.

- **PhD** in *Computer Science (Algorithms, Combinatorics, & Optimization)*,  
*Thesis:* Approximation Algorithms for Multidimensional Bin Packing,  
*Advisor:* Prasad Tetali,  
*Thesis Committee Members:* Nikhil Bansal (Reader), Santosh Vempala, Dana Randall,  
Santanu Dey, Sebastian Pokutta.
- **MS** in *Mathematics*.

**Indian Institute of Technology (IIT)**, Kharagpur, India. 2004-2009.

- **BTech** and **MTech** (Dual Degree) in Computer Science and Engineering.

### RESEARCH

#### EXPERIENCE

**Indian Institute of Science**, Bengaluru, India.

*Associate Professor [received fast-track promotion]*

**March '24 to present**

*Assistant Professor*

**January '19 to March '24**

**Technical University (TU)**, Munich, Germany.

*Postdoctoral Researcher*

**November '17 to December '18**

**IDSIA** (Swiss Artificial Intelligence Lab), Lugano, Switzerland.

*Ricercatore (Researcher)*

**November '15 to October '17**

**Georgia Institute of Technology**, Atlanta, USA.

*Graduate Research and Teaching Assistant*

**August '10 to August '15**

**Microsoft Research**, Redmond, USA.

*Research Intern in Theory Group*

**May '14 to August '14**

**University of California**, Berkeley, USA.

*Visiting Student Researcher*

**August '13 to December '13**

<b>Microsoft Research</b> , Silicon Valley, USA. <i>Research Intern in Search Labs</i>	<b>May '13 to August '13</b>
<b>TU Eindhoven</b> , Eindhoven, Netherlands. <i>Visiting Student Researcher</i>	<b>Feb-Mar '13, Sept-Oct '14</b>
<b>IBM Research</b> , New Delhi, India. <i>Blue Scholar in Analytics &amp; Optimization Group</i>	<b>June '09 to July '10</b>
<b>Korea University</b> , Seoul, South Korea. <i>Undergraduate Summer Intern</i>	<b>May '08 to July '08</b>
<b>University of Illinois</b> , Urbana-Champaign, USA. <i>Undergraduate Summer Intern</i>	<b>May '07 to July '07</b>

#### AWARDS/ACHIEVEMENTS

- Received tenure and fast-track early promotion to Associate Professor at IISc.
- **Prof. Priti Shankar Teaching Award for Assistant Professors**, 2023 (annually given to two assistant professors, one each in engineering and science).
- Our recent result on MISR (SODA'22) was mentioned in *Communications of the ACM* (CACM) as one of the top five results in Algorithms from India during 2019-2022.
- **Pratiksha Trust Young Investigator Award**, 2021. (Given to high-performing Assistant Professors at IISc).
- Elevated to the rank of *Senior Member*, IEEE, 2021.
- **Best Paper Award** at the 45th International Symposium on Mathematical Foundations of Computer Science (MFCS) 2020. The award is sponsored by EATCS (European Association for Theoretical Computer Science).
- Co-PI for the center on *polynomials as an algorithmic paradigm*, supported by **Indo-US Science and Technology Forum (IUSSTF)**. This is a joint Indo-US Virtual Network Center with Georgia Tech, TIFR, and UC Berkeley.
- **Google India Research Award**, 2020.
- Winner, Palletization Contest, IEEE ICRA 2013 Robot Challenge - VMAC : Virtual Manufacturing Automation Competition.
- CETL/BP Outstanding Teaching Assistant Award 2013 Finalist, Georgia Tech. (One nominee from each school).
- Georgia Tech ARC Fellowship, Fall 2012.
- Georgia Tech ACO Fellowship, Fall 2010.
- Nominated for *Innovative Students Project Award for Masters level projects*, Indian National Academy of Engineering, 2009.
- Highest Semester GPA at IIT Kharagpur in four semesters (Autumn 2007 to Spring 2009 : 10, 9.78, 9.86, 10, respectively).
- Jagadis Bose National Science Talent Search Scholarship, 2005.

- *Bin Packing under Random-Order: Breaking the Barrier of 3/2.*  
Anish Hebbar, Arindam Khan, K. V. N. Sreenivas.  
ACM-SIAM Symposium on Discrete Algorithms (**SODA**): 4177-4219, 2024.
- *Approximation Schemes for Geometric Knapsack for Packing Spheres and Fat Objects.*  
Pritam Acharya, Sujoy Bhore, Aaryan Gupta, Arindam Khan, Bratin Mondal, Andreas Wiese.  
To appear in International Colloquium on Automata, Languages and Programming (**ICALP**), 2024.
- *Random-Order Online Interval Scheduling and Geometric Generalizations.*  
Mohit Garg, Debajyoti Kar, Arindam Khan.  
To appear in European Symposium on Algorithms (**ESA**), 2024.
- *Guaranteeing Envy-Freeness under Generalized Assignment Constraints.*  
Siddharth Barman, Arindam Khan, Sudarshan Shyam, K. V. N. Sreenivas.  
ACM Conference on Economics and Computation (**EC**), 2023: 242-269.
- *Online and Dynamic Algorithms for Geometric Set Cover and Hitting Set.*  
Arindam Khan, Aditya Lonkar, Saladi Rahul, Aditya Subramanian, Andreas Wiese.  
Symposium on Computational Geometry (**SoCG**): 46:1-46:17, 2023.
- *Mitigating Disparity while Maximizing Reward: Tight Anytime Guarantee for Improving Bandits.*  
Vishakha Patil, Vineet Nair, Ganesh Ghalme, and Arindam Khan.  
International Joint Conference on Artificial Intelligence (**IJCAI**): 4100-4108, 2023.
- *Fairness and Welfare Quantification for Regret in Multi-Armed Bandits.*  
Siddharth Barman, Arindam Khan, Arnab Maiti, Ayush Sawarni.  
AAAI Conference on Artificial Intelligence (**AAAI**): 6762-6769, 2023.
- *Finding Fair Allocations under Budget Constraints.*  
Siddharth Barman, Arindam Khan, Sudarshan Shyam, K. V. N. Sreenivas.  
AAAI Conference on Artificial Intelligence (**AAAI**): 5481-5489, 2023.
- *Fair Rank Aggregation.*  
Diptarka Chakraborty, Syamantak Das, Arindam Khan, Aditya Subramanian.  
Annual Conference on Neural Information Processing Systems (**NeurIPS**), 2022.
- *A 3-Approximation Algorithm for Maximum Independent Set of Rectangles.*  
Waldo Gálvez, Arindam Khan, Mathieu Mari, Tobias Mömke, Madhusudhan Reddy, Andreas Wiese.  
ACM-SIAM Symposium on Discrete Algorithms (**SODA**): 894-905, 2022.
- *Universal and Tight Online Algorithms for Generalized-Mean Welfare.*  
Siddharth Barman, Arindam Khan, Arnab Maiti.  
AAAI Conference on Artificial Intelligence (**AAAI**): 4793-4800, 2022.
- *Near-optimal Algorithms for Stochastic Online Bin Packing.*  
Nikhil Ayyadevara, Rajni Dabas, Arindam Khan, KVN Sreenivas.  
International Colloquium on Automata, Languages and Programming (**ICALP**): 12:1-12:20, 2022.
- *A PTAS for Packing Hypercubes into a Knapsack.*  
Klaus Jansen, Arindam Khan, Marvin Lira, KVN Sreenivas.  
International Colloquium on Automata, Languages and Programming (**ICALP**): 78:1-78:20, 2022.
- *Tight Approximation Algorithms for Two-dimensional Guillotine Strip Packing.*  
Arindam Khan, Aditya Lonkar, Arnab Maiti, Amatya Sharma, Andreas Wiese.  
International Colloquium on Automata, Languages and Programming (**ICALP**): 80:1-80:20, 2022.

- *Approximation Algorithms for ROUND-UFP and ROUND-SAP.*  
Debayyoti Kar, Arindam Khan, and Andreas Wiese.  
European Symposium on Algorithms (**ESA**), 71:1–71:19, 2022.
- *Approximation for Generalized Multidimensional Bin Packing,*  
Arindam Khan, Eklavya Sharma, K. V. N. Sreenivas.  
Foundations of Software Technology and Theoretical Computer Science (**FSTTCS**): 23:1-23:22, 2022.
- *A PTAS for the Horizontal Rectangle Stabbing Problem.*  
Arindam Khan, Aditya Subramanian, Andreas Wiese.  
Integer Programming and Combinatorial Optimization (**IPCO**): 361-374, 2022.
- *Multi-Armed Bandits with Bounded Arm-Memory: Near-Optimal Guarantees for Best-Arm Identification and Regret Minimization.*  
Arnab Maiti, Vishakha Patil, Arindam Khan.  
Annual Conference on Neural Information Processing Systems (**NeurIPS**): 19553-19565, 2021.
- *Tight Approximation Algorithms for Geometric Bin Packing with Skewed Items.*  
Arindam Khan, Eklavya Sharma.  
International Workshop on Approximation Algorithms for Combinatorial Optimization (**APPROX**): 22:1-22:23, 2021.
- *Peak Demand Minimization via Sliced Strip Packing.*  
Max A. Deppert, Klaus Jansen, Arindam Khan, Malin Rau, Malte Tutas.  
International Workshop on Approximation Algorithms for Combinatorial Optimization (**APPROX**): 21:1-21:24 2021.
- *On Guillotine Separable Packings for the Two-Dimensional Geometric Knapsack Problem.*  
Arindam Khan, Arnab Maiti, Amatya Sharma, Andreas Wiese.  
International Symposium on Computational Geometry (**SOCG**), 48:1-48:17, 2021.
- *Improved Approximation Algorithms for 2-Dimensional Knapsack: Packing into Multiple L-Shapes, Spirals, and More.*  
Waldo Gálvez, Fabrizio Grandoni, Arindam Khan, Diego Ramírez, Andreas Wiese.  
International Symposium on Computational Geometry (**SOCG**), 39:1–39:17, 2021.
- *Group Fairness for Knapsack Problems.*  
Deval Patel, Arindam Khan, Anand Louis.  
International Conference on Autonomous Agents and Multiagent Systems (**AAMAS**): 1001-1009, 2021.
- *Best-Fit Bin Packing with Random Order Revisited.*  
Susanne Albers, Arindam Khan and Leon Ladewig.  
International Symposium on Mathematical Foundations of Computer Science (**MFCS**): 7:1-7:15, 2020.  
**Best Paper Award** sponsored by EATCS (European Association of Theoretical Computer Science).
- *On Guillotine Separability of Squares and Rectangles.*  
Arindam Khan, Madhusudhan Reddy Pittu.  
International Workshop on Approximation Algorithms for Combinatorial Optimization (**APPROX**): 47:1-47:22, 2020.
- *A Tight  $(3/2 + \epsilon)$  Approximation for Skewed Strip Packing.*  
Waldo Galvez, Fabrizio Grandoni, Klaus Jansen, Arindam Khan, Malin Rau.  
International Workshop on Approximation Algorithms for Combinatorial Optimization (**APPROX**): 44:1-44:18, 2020.
- *Improved Online Algorithms for Knapsack and GAP in the Random Order Model.*  
Susanne Albers, Arindam Khan, Leon Ladewig.  
International Workshop on Approximation Algorithms for Combinatorial Optimization (**APPROX**): 22:1–22:23, 2019.

- *Approximating Geometric Knapsack via L-packings.*  
Waldo Galvez, Fabrizio Grandoni, Salvatore Ingala, Arindam Khan, Andreas Wiese.  
58th IEEE Annual Symposium on Foundations of Computer Science (**FOCS**): 260–271, 2017.
- *Improved Pseudo-Polynomial-Time Approximation for Strip Packing.*  
Waldo Galvez, Fabrizio Grandoni, Salvatore Ingala, Arindam Khan.  
Foundations of Software Technology and Theoretical Computer Science (**FSTTCS**): 9:1–9:4, 2016.
- *Improved Approximation for Vector Packing.*  
Nikhil Bansal, Marek Elias and Arindam Khan.  
27th Annual ACM-SIAM Symposium on Discrete Algorithms (**SODA**): 1561-1579, 2016.
- *On Weighted Bipartite Edge Coloring.* Arindam Khan, Mohit Singh.  
Foundations of Software Technology and Theoretical Computer Science (**FSTTCS**): 136-150, 2015.
- *An Improved Approximation Algorithm for Two-Dimensional Bin Packing.*  
Nikhil Bansal, Arindam Khan.  
25th Annual ACM-SIAM Symposium on Discrete Algorithms (**SODA**): 13-25, 2014.
- *Role of Conformity in Opinion Dynamics in Social Networks.*  
Abhimanyu Das, Sreenivas Gollapudi, Arindam Khan and Renato Paes Leme.  
ACM Conference on Online Social Networks (**COSN**):25-36, 2014.
- *Discovering Bucket Orders from Data.*  
Sreyash Kenkre, Arindam Khan and Vinayaka Pandit.  
SIAM International Conference on Data Mining (**SDM**):872-883, 2011.

JOURNAL PUBLICATIONS (For theory papers, author names are listed alphabetically.)

- *A PTAS for the Horizontal Rectangle Stabbing Problem.*  
Arindam Khan, Aditya Subramanian, Andreas Wiese.  
To appear in **Mathematical Programming**, 2024.
- *Tight Approximation Algorithms for Geometric Bin Packing with Skewed Items.*  
Arindam Khan, Eklavya Sharma.  
**Algorithmica** 85(9): 2735-2778 (2023).
- *Peak Demand Minimization via Sliced Strip Packing.*  
Max A. Deppert, Klaus Jansen, Arindam Khan, Malin Rau, Malte Tutas.  
**Algorithmica**, 85(12): 3649-3679 (2023).
- *A Tight  $(3/2 + \varepsilon)$  Approximation for Skewed Strip Packing.*  
Waldo Galvez, Fabrizio Grandoni, Klaus Jansen, Arindam Khan, Malin Rau.  
**Algorithmica** 85(10): 3088-3109 (2023).
- *Approximating Geometric Knapsack via L-packings,*  
Waldo Galvez, Fabrizio Grandoni, Salvatore Ingala, Arindam Khan, Andreas Wiese.  
ACM Transactions on Algorithms (**TALG**), 17(4): 33:1-33:67 (2021).
- *Best-Fit Bin Packing with Random Order Revisited.*  
Susanne Albers, Arindam Khan and Leon Ladewig.  
**Algorithmica** 83(9): 2833-2858 (2021)
- *Improved Online Algorithms for Knapsack and GAP in the Random Order Model.*  
Susanne Albers, Arindam Khan, Leon Ladewig.  
**Algorithmica** 83(6): 1750-1785 (2021).

- *The matching augmentation problem: a  $7/4$ -approximation algorithm.*  
Joseph Cheriyan, Jack Dippel, Fabrizio Grandoni, Arindam Khan, Vishnu V. Narayan.  
**Mathematical Programming**, 182, pages 315–354, 2020.
- *Approximation and online algorithms for multidimensional bin packing: A survey.*  
Henrik I. Christensen, Arindam Khan, Sebastian Pokutta, Prasad Tetali.  
**Computer Science Review**, 24: 63-79, 2017.
- *On Mimicking Networks Representing Minimum Terminal Cuts.*  
Arindam Khan, Prasad Raghavendra.  
Information Processing Letters (**IPL**), Volume 114, Issue 7, Pages 365-371, 2014.
- *Diffuse Reflection Diameter and Radius for Convex Quadrilateralizable Polygons.*  
Arindam Khan, Sudebkumar Pal, Mridul Aanjaneya, Arijit Bishnu, Subhas Nandy.  
Discrete Applied Mathematics (**DAM**), 161(10-11): 1496-1505 (2013).
- *Attribute-Based Messaging: Access Control and Confidentiality.*  
Rakeshbabu Bobba, Omid Fatemieh, Fariba Khan, Arindam Khan, Carl A. Gunter, Himanshu Khurana, Manoj Prabhakaran.  
ACM Transactions on Information and System Security (**TISSEC**). 13(4): 31:1-31:35 (2010).

## STUDENTS

### Graduated Students:

#### *PhD:*

– Vishakha Patil (2019-2024) (Joint with Y. Narahari). (Recipient of *Google PhD Fellowship 2020*, CII-SERB Prime Minister’s Fellowship for Doctoral Research, and PMRF Fellowship (declined)).

#### *MTech Research:*

– Eklayya Sharma (2019-2021), now PhD student at UIUC.

Recipient of *Dr. MNS Swamy Medal for Best MSc (Engg) Thesis 2022*.

– Swati Allabadi (2019-2022) (Joint with Anand Louis), now S/w Engineer at Siemens.

– KVN Sreenivas (2020-2022), now PhD student at IISc

Recipient of *Dr. MNS Swamy Medal for Best MSc (Engg) Thesis 2023*.

– Aditya Lonkar(2022-2023), now PhD student at Georgia Tech.

#### *MTech Coursework:*

Arka Ray (2019-2021), now PhD student at IISc.

#### *Bachelors:*

– Anish Hebbar (2022-2023) [BS at IISc], now PhD student at Duke University.

– Aaryan Kumar Gupta (2023-2024) (Joint with Sujoy Bhore) [BTech at IIT Bombay], now Predoc at Google Research.

## Present Students:

### PhD:

- Aditya Subramanian (2020-present), *Kotak IISc AI-ML Centre (KIAC) PhD Fellowship and Walmart PhD Fellowship*.
- K.V.N. Sreenivas (2022-present), (Recipient of *Google PhD Fellowship 2022*, and direct-entry PMRF Fellowship (declined)).
- Debajyoti Kar (2022-present), (Recipient of *Google PhD Fellowship 2023*, and direct-entry PMRF Fellowship (declined)).

### MTech Coursework Students:

- Rounak Das,
- Sudhanshu More.

### Present/Past Interns/Project Assistants:

Aditya Varre (IIT Bombay → PhD student at EPFL Switzerland),  
Karthik Murali (NIT Suratkal → PhD student at Carleton University, Canada),  
Madhusudhan Reddy Pittu (IIT Kharagpur → PhD student at CMU),  
Siddharth Jayshankar (IIT Kanpur → PhD student at CMU),  
Kishen Gowda (IIT Gandhinagar → PhD student at U. of Maryland, College Park),  
Arnab Maiti (IIT Kharagpur → PhD student at University of Washington),  
Amatya Sharma (IIT Kharagpur → PhD student at University of Michigan),  
Debajyoti Kar (IIT Kharagpur → PhD student at IISc),  
Siba Smarak Panigrahy (IIT Kharagpur → MS student at McGill University),  
Debarsho Sannyashi (IIT Kanpur → Quantitative Researcher at Graviton Research),  
Shreyans Nagori (IIT Delhi → Quantitative Researcher at NK Securities Research),  
Santanu Rathod (IIT Bombay → ELLIS PhD Student at Cambridge University, UK),  
Nikhil Ayyadevara (IIT Delhi → PhD student at University of Michigan),  
Rajni Dabas (Delhi University, through *ACM India Anveshan Setu Fellowship*),  
Dhawal Jethwani (IIT BHU → Machine Learning Researcher at Thena),  
Neel Karia (IIT Kharagpur → PhD student at Columbia University),  
Sudarshan Shyam (IIT Kharagpur/UCSD → PhD student at Aarhus University),  
Aryan Agarwala (CMI, PhD student at MPII Germany),  
Soumita Hait (IIT Kharagpur → PhD student at University of Southern California),  
Divyanshi Rajput (IIIT Bangalore, through *Google ExploreCSR Fellowship*),  
Aaryan Kumar Gupta (IIT Bombay → Predoc at Google Research),  
Bratin Mondal (IIT Kharagpur),  
Pritam Acharya (IISER Pune),  
Shashankh Chanderr (IIT Kanpur/Ecole Polytechnique),  
Pradyot Mohanty (CMI),  
Sooraj AP (IIT Bombay),  
Samyak Jha (IIT Bombay),  
Sreehari C (IIT Guwahati),  
Kailash Gopal D (IIT Madras),  
Soumyaprabha Dey (IIT Delhi),  
Vijaykrishna Gurunathan (IIT Bombay/Stanford).

## RECENT INVITED

### TALKS

- BARC (Basic Algorithms Research Copenhagen) Talk, University of Copenhagen, Copenhagen, Denmark, 2024.

- Theory Seminar, Max Planck Institute for Informatics (MPII), Saarbrücken, Germany, 2024.
- Workshop on Uncertainty in CG, Symposium on Computational Geometry (SoCG), Athens, Greece, 2024.
- Workshop on Computational and Combinatorial Geometry, ISI Kolkata, 2024.
- Georgia Tech ARC seminar, Atlanta, USA, 2023.
- Google Research Week, Bengaluru, 2023.
- Two-hour long invited talk at *Recent Trends in Algorithms*, Online, 2022.
- Capillary External Tech Talk Seminar, Online, 2022.
- International Graph Theory Seminar (organized by Martin Golumbic), 2021.
- IISc-MSR Theory Seminar, Online, 2021.
- Summer School on Theoretical Foundations of Computer Science, Online, 2021.
- International Bin Packing Seminar, Online, 2021.
- EECS Symposium, IISc Bengaluru, 2020.
- Recent Trends in Algorithms, IIT Gandhinagar, India, 2020.
- CALDAM Indo-French Pre-Conference School on Algorithms and Combinatorics, IIT Hyderabad, India, 2020.
- Research workshop in University of Chile, Santiago, Chile, 2020.
- Georgia Tech ACO seminar, Atlanta, USA, 2019.
- IIT Kharagpur Theory seminar, Kharagpur, India, 2019.
- TIFR Theory Seminar, TIFR, Bombay, 2018.
- IIT Bombay Theory Seminar, IIT Bombay, 2018.
- Kiel University Theory Seminar, Kiel, Germany, 2017.
- EADS Seminar, University of Copenhagen, Denmark, 2017.
- TUM OR Seminar, Munich, Germany, 2017.
- ARC Seminar, Georgia Tech, Atlanta, 2015.
- ISI Theory Seminar, Kolkata, 2015.
- TU Eindhoven Theory Seminar, Eindhoven, Netherlands, 2014.

#### TEACHING EXPERIENCE

- At Indian Institute of Science, Bengaluru, India:  
(Awarded *Prof. Priti Shankar Teaching Award for Assistant Professors.*)
  - E0249: Approximation Algorithms (Jan-May 2024)  
(Co-taught with Anand Louis).
  - E0225: Design and Analysis of Algorithms (Aug-Dec 2023)  
(Co-taught with Siddharth Barman and Rahul Saladi).
  - E0 234: Introduction to Randomized Algorithms (Jan-May 2023).

(Co-taught with Jaikumar Radhakrishnan).  
 – E0 215: Algorithms under Uncertainty (Aug-Dec 2022)  
 (Co-taught with Siddharth Barman).  
 – E0249: Approximation Algorithms (Online, Jan-May 2022)  
 (Co-taught with Anand Louis).  
 – E0206: Theorist’s Toolkit (Online, Aug-Dec 2021)  
 (Co-taught with Anand Louis).  
 – E0234: Introduction to Randomized Algorithms (Online, Feb-June 2021)  
 (Co-taught with Siddharth Barman).  
 – E0206: Theorist’s Toolkit (Online, October 2020 - January 2021)  
 (Co-taught with Anand Louis).  
 – E0249: Approximation Algorithms (Jan-May 2020)  
 (Co-taught with Anand Louis).  
 – E0225: Design and Analysis of Algorithms (Aug-Dec 2020)  
 (Co-taught with Anand Louis).  
 – E0249: Approximation Algorithms (Jan-May 2019)  
 (Co-taught with Anand Louis).

#### PROFESSIONAL SERVICE

- PC Member, ACM-SIAM Symposium on Discrete Algorithms (SODA), 2025.
- Graduate Forum Co-Chair, IndoML, 2024.
- Co-organizer, International Workshop on Geometric Approximation Algorithms, 2024.
- Graduate Forum Co-Chair, Indian Symposium on Machine Learning (IndoML), 2024.
- PC Member, Foundations of Software Technology and Theoretical Computer Science (FSTTCS), 2024.
- PC Member, Latin American Symposium on Theoretical Informatics (LATIN), 2024.
- PC Member, Symposium on Computational Geometry (SoCG), 2023.
- PC Member, International Conference on Approximation Algorithms for Combinatorial Optimization Problems (APPROX), 2023.
- PC Member, International Joint Conference on Artificial Intelligence (IJCAI), 2023.
- PC Member, Workshop on Approximation and Online Algorithms (WAOA), 2023.
- PC Member, International Symposium on Fundamentals of Computation Theory (FCT), 2023.
- Area Chair, Theory CS, ARCS ACM Event 2024.
- Co-organizer, *Art of Computing* workshop, 2024.
- Organizing Committee Member, *International Bin Packing Seminar*, Online, 2021.
- Participated as mentor in *ACM India Anveshan Setu Fellowship* 2021 and 2024.
- Co-organizer, *Ramanujan Day*, 2022.
- Co-organizer, *IISc-MSR Theory Seminar*, Online, 2021.
- Member, Departmental Finance Committee (DFC) (2019-2023), Building Committee (2019-2023), CSA Outreach Committee (2021-present), CSA predoc committee (2023-present).
- Faculty coordinator, Narendra Undergraduate Internship Program, 2020, 2022.
- Faculty coordinator, CSA Undergraduate Summer School, 2019.