

RESEARCH INTERESTS

With broad research interests in algorithmic game theory and (computational) social choice theory, I am more specifically drawn to problems related to the fair allocation of resources, voting systems, participatory budgeting, and the price of anarchy. Using my strong foundations in economics and development studies, along with my background in game theory and algorithmic graph theory, I aim to contribute to developing fair and efficient mechanisms that address critical societal challenges in an interdisciplinary manner. My motivation is grounded in finding a way to contribute to and apply theoretical research in policy-making and other decision-making processes.

EDUCATION	Indian Institute of Science Education and Research (IISER)	Pune, India
	<i>BS-MS Dual Degree</i>	2021 - 2026 (<i>expected</i>)
	Birla Public School	Doha, Qatar
	<i>12th standard, Science stream (PCBM)</i>	2020 - 2021
	<ul style="list-style-type: none"> • CBSE SSCE 93.4% 	
	Birla Public School	Doha, Qatar
	<i>10th standard</i>	2018 - 2019
	<ul style="list-style-type: none"> • CBSE SSE 95.4% 	
EXPERIENCE	Master's Thesis Advised by	2025.05 - 2026.04 (<i>expected</i>)
	<ul style="list-style-type: none"> • Prof. Siddharth Barman, IISc, Bangalore • Prof. Hadi Hosseini, PSU, Pennsylvania • Prof. Erel Segal-Halevi, Ariel University, Ariel 	
	Semester Project	
	<i>Supervisor: Prof. Sushmita Gupta, IMSc, Chennai</i>	2025.01 - 2025.04
	Foundations of Software Technology and Theoretical Computer Science (FSTTCS'24)	
	<i>Indian Institute of Technology (IIT), Gandhinagar</i>	2024
	School on Computation in Social Choice and Economics	
	<i>Indian Institute of Technology (IIT), Jodhpur</i>	2024
	Theory CS Winter School	
	<i>Indian Institute of Science (IISc), Bangalore</i>	2024
	CS Theory Winter Residency Program	
	<i>Indian Institute of Technology (IIT), Delhi</i>	2024
	ACM Summer School: NP-completeness approach to algorithms	
	<i>PSG College of Technology, Coimbatore</i>	2024
	ACM Summer School: Introduction to algorithmic game theory	
	<i>Institute of Mathematical Sciences (IMSc), Chennai</i>	2024
	Member of iGEM IISER Pune team	
	<i>iGEM 2023 Grand Jamboree, Paris</i>	2023

ACHIEVEMENTS	iGEM 2023 Competition <i>Grand Jamboree, Paris</i> Awards Won <ul style="list-style-type: none"> • Best Education • Among Top 10 Undergraduate Projects Nominations <ul style="list-style-type: none"> • Best Climate crisis project • Best iHP • Best Design 	2023
	Cleared several national competitive examinations <i>JEE(Mains), BITSAT, NEET, IAT, NEST</i>	2021
RELEVANT COURSES	A Theorist's Toolkit Audited <ul style="list-style-type: none"> • IISc Bangalore 	2025.08 - 2025.12 (<i>expected</i>)
	Algorithms Credited <ul style="list-style-type: none"> • IISER Pune 	2025.01 - 2025.04
	Introduction to Graph Algorithms NPTEL <ul style="list-style-type: none"> • IISc Bangalore 	2024.07 - 2024.09
	Graph Theory Credited <ul style="list-style-type: none"> • IISER Pune 	2024.08 - 2024.12
	Markov Chain and its Application Credited <ul style="list-style-type: none"> • IISER Pune 	2024.08 - 2024.12
	Economics and Public Policy Credited <ul style="list-style-type: none"> • IISER Pune 	2023.08 - 2023.12
	Discrete Structures Credited <ul style="list-style-type: none"> • IISER Pune 	2023.01 - 2023.04
	Introduction to Probability Credited <ul style="list-style-type: none"> • IISER Pune 	2022.08 - 2022.12
	<ul style="list-style-type: none"> • Second Place, Tennis: Inter IISER Sports Meet 	2023
	<ul style="list-style-type: none"> • Coordinator, Mindspark Initiative, IISER Pune 	2022-2023
	<ul style="list-style-type: none"> • Volunteer, Mindspark Initiative, IISER Pune 	2021-2022
	<ul style="list-style-type: none"> • English, Fluent • Tamil, Native Language proficiency • Hindi, Professional working proficiency • French, Conversational • Indian Sign Language (ISL), Beginner 	
SKILLS	Programming: Python	
	Markup Languages: L ^A T _E X	
	Illustration: Adobe Illustrator, Adobe Fresco	
	Video Editing: Final Cut Pro, DaVinci Resolve, Adobe Premier Pro	