

EDUCATION	<b>University of Pennsylvania</b> Ph.D., Mathematics Title: <i>Admissibility over Global Fields</i> Advisor: Prof. David Harbater	Philadelphia, PA Aug 2019 – May 2024 (Expected)
	<b>University of Pennsylvania</b> M.S.E., Computer & Information Science (GPA 4.0/4.0)	Philadelphia, PA Aug 2017 – May 2019
	<b>Indian Institute of Technology Delhi</b> B.Tech., Computer Science & Engineering	New Delhi, India Jul 2010 – May 2014
PUBLICATIONS	“Admissibility over Global Fields”. In preparation.	
	“Enhanced integrated gradients: improving interpretability of deep learning models using splicing codes as a case study”, with A. Jha, J. Aicher, and Y. Barash. <i>Genome Biology</i> , Vol. 21 (2020), pp. 1–22.	
	“Automating Relevance Banding in e-Commerce Search using Click Model”, with V. Deolalikar. <i>IEEE International Conference on Big Data</i> , 2018, pp. 3793-3797.	
	“Islands of Interest: Mining Concentrations of User Search Intent over e-Commerce Product Categories”, with N. Pradhan and V. Deolalikar. <i>IEEE International Conference on Big Data</i> , 2018, pp. 3717-3722.	
AWARDS AND FELLOWSHIPS	<b>Benjamin Franklin Fellowship</b> University of Pennsylvania	2019–2024
	<b>Certificate in College and University Teaching</b> Penn Center for Teaching and Learning	Fall 2023
	<b>Good Teaching Award</b> University of Pennsylvania Mathematics Department	Spring 2021
	<b>Fellowship in Computer Science</b> University of Pennsylvania	2017–2019
	<b>MHRD scholarship</b> Government of India	2010-2014
TEACHING	<b>University of Pennsylvania</b> <i>Instructor of Record</i> , Math-1410 Calculus II	Philadelphia, PA Summer 2023
	<b>Princeton Prison Teaching Initiative</b> Volunteer math instructor for South Woods State Prison in New Jersey. <i>Mathematics Tutor</i> <i>Co-Instructor</i> , Math in the Courtroom	Spring 2023 – Present Spring 2024 Spring 2023
	<b>Penn Pre-First Year Program</b> Program for first generation, low-income undergraduate students.	Philadelphia, PA

	<i>Teaching Assistant, Math-A Pre-Calculus</i>	Summer 2023
	<b>University of Pennsylvania</b>	Philadelphia, PA
	<i>Teaching Assistant, Math 3610 Advanced Calculus II</i>	Spring 2024
	<i>Teaching Assistant, Math 360 Advanced Calculus I</i>	Fall 2021
	<i>Teaching Assistant, Math 509 Honors Analysis II</i>	Spring 2021
	<i>Teaching Assistant, Math 240 Calculus III</i>	Fall 2020
	<b>Penn Directed Reading Program</b>	Fall 2021 – Present
	Mentor for the following undergraduate reading projects:	
	<i>Number Theory, Molly Bradley</i>	Spring 2024
	<i>Quadratic Reciprocity, Angela Cai</i>	Fall 2023
	<i>Algebraic Curves, Max Wang</i>	Spring 2023
	<i>Probabilistic Methods, Max Wang</i>	Fall 2022
	<i>Covering Spaces, Kevin You</i>	Fall 2021
SERVICE AND FACILITATION	<b>Penn Graduate Algebraic Geometry Seminar</b>	Fall 2022 - Present
	Co-organizer of the student algebraic geometry seminar with A. Kwon and E. Lennen.	
	<b>Patching in Arithmetic Geometry</b>	Spring 2022
	Co-organizer of the graduate student seminar on patching methods in arithmetic geometry.	
	<b>Math Circles</b>	Summer 2023 - Present
	Co-organizer of the Math Circles at the West Philadelphia High School with M. Ong.	
TALKS	Penn Algebra Seminar	
	<i>Admissibility over number fields</i>	Spring 2024
	Penn Graduate Algebraic Geometry Seminar	
	<i>An introduction to Étale cohomology</i>	Spring 2023
	<i>Admissibility over <math>\mathbb{Q}</math></i>	Fall 2022
	Patching in Arithmetic Geometry	
	<i>Patching division algebras over semi-global fields</i>	Spring 2022
	Expository Talks	
	<i>Grothendieck topologies and cohomology</i>	Spring 2024
	<i>Milnor K-theory</i>	Spring 2022
	<i>Numerical invariants and stability on algebraic stacks</i>	Fall 2021
	<i>Introduction to spectral sequences</i>	Spring 2021
SELECTED CONFERENCES & SEMINARS	VaNtAGe Seminar	Fall 2023 - Present
	Arizona Winter School 2024: Abelian Varieties	Spring 2024
	Algebraic Geometry Northeastern Section (AGNeS)	Fall 2023
	Arizona Winter School 2022: Automorphic Forms Beyond GL2	Spring 2022
WORK EXPERIENCE	<b>Groupon</b>	Palo Alto, CA
	Data Scientist, <i>Search &amp; Data Mining team</i>	Oct 2015 – June 2017
	<b>Groupon</b>	Chennai, India
	Data Scientist, <i>Data Science team</i>	Jun 2014 – Sep 2015