

Urshita Pal

University of Michigan
Department of Mathematics
530 Church Street
Ann Arbor, MI, USA

urshita@umich.edu
urshitapal.github.io

Education

University of Michigan, USA
Ph.D., Mathematics, Expected 2026.

Chennai Mathematical Institute, India
B.Sc., Mathematics & Computer Science, 2018-21.

Research Interests

Group Cohomology, Representation Theory, Braids & Configuration Spaces

Teaching

University of Michigan
Instructor, Math 115, Fall 2022
Instructor, Math 115, Winter 2022
Instructor, Math 115, Fall 2021

Chennai Mathematical Institute
Teaching Assistant, NPTEL Rings & Fields, Jan-March 2021
Teaching Assistant, Topology, Spring 2021
Teaching Assistant, Complex Analysis, Spring 2021
Teaching Assistant, Analysis 3, Fall 2020
Teaching Assistant, Probability Theory, Spring 2020

Awards and Fellowships

Gold Medal of Excellence, BSc Math & Computer Science
Chennai Mathematical Institute, 2021

Tuition Fee Waiver
Chennai Mathematical Institute, Aug 2018 - April 2021

Bronze Medal, European Girls Math Olympiad
Held in Florence, Italy, 2018

International Math Olympiad Training Camp, Mumbai, India
Selected for Participation, 2017 & 2018

Talks

Student Seminars
- *A Gentle Introduction to Representation Stability*, Fall 2022
- *The Combinatorial Nullstellensatz and its Applications*, Winter 2022
- *Braid Groups*, Fall 2021

Service and
Mentorship

AWM Mentor-Mentee Program

-Mentor for the Academic Year 2022-23

Michigan Math Circle

-Tiling With Dominoes, Feb 2022

Conferences and
Workshops

- Nearly Carbon Neutral Geometric Topology Conference, September 2022

- Michigan Research Experience for Graduates, June 2022

(Project Topic: *Braids and Polynomials*)

Languages
and Skills

Hindi, English, Bengali (native); German (basic)

L^AT_EX, C++, Haskell, Python, Java