

# Urshita Pal

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University of Michigan  
Department of Mathematics  
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Ann Arbor, MI, USA

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## 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, Winter 2021  
Instructor, Math 115, Fall 2021  
Instructor, Math 115, Fall 2022

**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**  
*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

Michigan Research Experience for Graduates, June 2022  
(Project Topic: *Braids and Polynomials*)

Languages  
and Skills

Hindi, English, Bengali (native); German (basic)  
L<sup>A</sup>T<sub>E</sub>X, C++, Haskell, Python, Java