

# Bhawesh Mishra

## PERSONAL INFORMATION.

ADDRESS	MA 430, 231 W 18th Avenue, Columbus OH 43210
WEBSITE	<a href="https://bhaweshmishra.com">https://bhaweshmishra.com</a>
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CITIZENSHIP:	Nepal

## EDUCATION.

AUGUST 2017 to CURRENT	PhD Student (Mathematics), THE OHIO STATE UNIVERSITY GPA: 3.87
JAN 2016 to JULY 2016	Visiting Student, UNIVERSITY OF WISCONSIN-MADISON GPA: 4.0
AUG 2013 to AUG 2017	B.A. (Mathematics), BEREA COLLEGE , KY GPA: 3.98(MATHEMATICS) , 3.90(OVERALL)

## AWARDS AND SCHOLARSHIPS.

MAY 2019 to AUG 2019	<b>Student Research Assistant (\$ 4,050 )</b> The Ohio State University, Department of Mathematics Stipend with no teaching responsibilities along with full tuition and health insurance subsidy
JAN 2019 to MAY 2019	<b>Tibor Radó Research Associateship (\$2,325 / month)</b> The Ohio State University, Department of Mathematics
AUG 2017 to AUG 2018	<b>University Fellowship (\$25,296 for a Year),</b> The Ohio State University, Graduate School Awarded through university-wide competition amongst entering graduate students
AUGUST 2017 to MAY 2019	<b>Doris and Harold Rosenbaum Scholarship for Graduate studies, Berea College, KY (\$3,965 per semester)</b> Awarded, for academic promise, through college-wide competition amongst graduating class of 2017
JUN 2014 to MAY 2017	<b>Ballard-McConnell-Willis Scholarship (\$30,000)</b> Largest Scholarship at Berea College, KY.
AUGUST 2013 to JULY 2017	<b>Full Scholarship, Berea College, KY</b> Full tuition, room and board scholarship for all four years of college

## PUBLICATIONS.

1. **Intersective Polynomials Arising from Sums of Powers.** *Comm. Alg.* 2021, VOL. 49, NO. 6, 2633–2644. [Click Here for Open Access.](#)
2. **Polynomials Consisting of Quadratic Factors with Roots Modulo Any Positive Integer,** Accepted on 02/24/2021. *To Appear in Amer. Math. Monthly.* [Arxiv Link.](#)
3. **Minimally Intersective Polynomials with Arbitrarily Many Quadratic Factors.**

Submitted. [Arxiv Link](#).

4. **What Proportion of Polynomials in  $\mathbb{Z}[x]$  have Local Roots Everywhere?** Submitted.
5. **Intersective Polynomials over Rings of Integers of Global Fields.** *In Final Stages of Preparation.*

## RELEVANT WORK EXPERIENCE.

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FALL 2018 TO CURRENT	<b>Teaching Associate at The Ohio State University, Columbus</b> Teaching 2 Recitation Sections (60 students) each semester - Grading Homework, Exams, Quizzes in Pre-Calculus and Calculus classes for Engineering, Biology and Business Majors
AUG 2014 to to MAY 2017	<b>Teaching Assistant at BEREA College, KY</b> Graded Homework and organized review sessions in courses such as <i>Multivariable Calculus, Linear Algebra, Abstract Algebra, Probability, Statistics, Business Mathematics and Discrete Mathematics</i> ; Provided feedback on student performance/progress to the instructor.
MAY 2014 to JUNE 2017	<b>Sales Associate, The Log House Craft Gallery, Berea, KY</b> Bookkeeping and inventory keeping; new sales Associate's training, handling and transporting cash. (1400+ hours of work in college)

## OTHER INTERESTS AND ACTIVITIES.

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1. Reading and writing poetry.
  2. Listening and Singing to *South-Asian Classical Music*.
  3. Occasionally authoring guest blogs and articles on South-Asian spiritual discourse and South-Asian Geopolitics.