

Bhawesh Mishra

PERSONAL INFORMATION.

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| ADDRESS | MW 242, 231 W 18th Avenue, Columbus OH 43210 |
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| CITIZENSHIP: | Nepal |

EDUCATION.

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| 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) |

PUBLICATIONS

3.1 Accepted.

1. **Intersective Polynomials Arising from Sums of Powers (13 pages).** *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 (6 pages),** Accepted on 02/24/2021. *To Appear in Amer. Math. Monthly.* [Arxiv Link.](#)

3.2 Submitted.

1. **Minimally Intersective Polynomials with Arbitrarily Many Quadratic Factors.** Submitted (11 pages), [Arxiv Link.](#)
2. **What Proportion of Polynomials in $\mathbb{Z}[x]$ have Local Roots Everywhere?** Submitted (5 pages).
3. **Polynomials over Ring of Integers with Roots Modulo Every Ideal.** Submitted (9 Pages)

LEADERSHIP AND COMMUNITY INVOLVEMENT

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| SUMMER, 2020 TO CURRENT | Treasurer – Mathematics Graduate Student Association at OSU Handling Financial Commitments and Obligations of the Student Outreach and Mathematical Activities |
| FALL, 2018 TO SUMMER, 2019 | Graduate Student Representative – Departmental Climate and Diversity Committee Student Liaison for Departmental Initiative on Enhancing Inclusiveness and Diversity; Assessing Student Concerns on Departmental Climate and forwarding the feedback to the Department |

AWARDS AND SCHOLARSHIPS.

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| MAY, 2019 to AUG, 2019 | Student Research Assistant 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 | Tibor Radó research associateship The Ohio State University, Department of Mathematics Stipend with no teaching responsibilities along with full tuition and health-insurance subsidy |
| AUG, 2017 to AUG, 2018 | University Fellowship , The Ohio State University, Graduate School Awarded through university-wide competition amongst entering graduate students |
| AUGUST, 2017 to MAY, 2019 | The Doris and Harold Rosenbaum Scholarship for Graduate Studies Berea College, KY Awarded, for academic promise, through college-wide competition amongst graduating class of 2017 |
| JUN, 2014 to MAY, 2017 | Ballard-McConnell-Willis Mathematics Scholarship Largest Scholarship at Berea College; Given to a student for scholarship potential in Mathematics and upright moral character |
| AUGUST, 2013 to JULY, 2017 | Full Scholarship, Berea College, KY Full tuition, room and board scholarship for all four years of college |

RELEVANT WORK EXPERIENCES

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| FALL 2018 TO CURRENT | Teaching Associate at The Ohio State University, Columbus Teaching 2 Recitation Sections (60 students) each semester - Designing and Grading Homework, Exams, Quizzes in Pre-Calculus and Calculus classes for Engineering, Biology and Business Majors |
| AUG, 2014 to CURRENT | Teaching Assistant at BEREA College, KY 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 to teachers |
| MAY, 2014 to JUNE, 2017 | Sales Associate, The Log House Craft Gallery, Berea, KY Ensuring customer satisfaction; bookkeeping and inventory keeping; new sales Associate's training, handling and transporting cash (1400+ hours of work while in college) |

OTHER INTERESTS AND ACTIVITIES.

1. Listening and Singing to *South-Asian Classical Music*.
2. Reading *South-Asian Geopolitics and Spiritual Philosophy*.