

# Bhawesh Mishra

MA 430, 231 W 18<sup>th</sup> Avenue, Columbus, OH 43210

🌐 <https://bhaweshmishra.com>

✉ [mishra.188@osu.edu](mailto:mishra.188@osu.edu)

☎ +1-859-353-7914

## Education.

---

- The Ohio State University, Columbus**  
*PhD in Mathematics GPA: 3.87/4.0* *Expected: May 2023*
- The Ohio State University, Columbus**  
*M.Sc. in Mathematics GPA: 3.87/4.0* *Completed: August, 2020*
- The University of Wisconsin-Madison**  
*Visiting Student in Mathematics GPA: 4.0/4.0* *January, 2016 to July, 2016*
- Berea College, KY**  
*B.A. in Mathematics (Summa Cum Laude) GPA: 3.9/4.0* *Completed: August, 2017*

## Awards and Scholarships.

---

- NSF Mathematical Sciences Graduate Internship**  
*Could not attend due to COVID-19 related delays in Passport Renewal* *Summer, 2021*
- Student Research Assistant**  
*Department of Mathematics, The Ohio State University* *Summer, 2019*
- Tibor Radó research associateship**  
*Department of Mathematics, The Ohio State University* *Spring, 2019*
- University Fellowship**  
*Graduate School, The Ohio State University* *August, 2017 to July, 2018*
  - o Awarded through university-wide competition amongst admitted graduate student
- Doris and Harold Rosenbaum Scholarship**  
*Berea College, KY* *August, 2017 to May, 2019*
- Ballard-McConnell-Willis Scholarship**  
*Berea College, KY* *June, 2014 to May, 2017*
  - o The most prestigious scholarship at Berea College, KY - awarded for excellent scholarship, potential for accomplishment and upright moral character.
- Full Scholarship**  
*Berea College, KY* *August, 2013 to August, 2017*
  - o Full tuition, Room & Board scholarship for every term of undergraduate career.

## Community Involvement.

---

- Treasurer** **Department of Mathematics**  
*Mathematics Graduate Student Association* *July, 2020 to Current*
- The Graduate Student Representative** **Department of Mathematics**  
*Departmental Committee on Diversity and Inclusion* *Fall, 2018 to Summer, 2019*

## Work Experience.

---

1. **Teaching Associate (20 hrs/week)**  
*Department of Mathematics* *Fall, 2018 & Fall 2019 to Current*
2. **Teaching Assistant (20 hrs/week)**  
*Department of Mathematics, Berea College* *August, 2014 to May, 2017*
3. **Student Manager and Sales associate (40 hrs/week)**  
*The Log House Craft Gallery, Berea KY* *May, 2014 to August, 2017*
4. **Teacher (30 hrs/week)**  
*Jamia Islamia Secondary School, Biratnagar, Nepal* *August, 2010 to June, 2013*

## Publications and Preprints.

---

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. To Appear in *Amer. Math. Monthly* (Accepted 02.24.2021). [Preprint Link](#).
3. Minimally Intersective Polynomials with Arbitrarily Many Quadratic Factors. To appear in *Integers*. (Accepted 10.04.2021) . [Preprint Link](#).
4. What Proportion of Polynomials in  $\mathbf{Z}[x]$  have Local Roots Everywhere? (Submitted).
5. Intersective Polynomials over Ring of Integers of Global Fields (Submitted).