

## Education

- **University of Washington** Seattle, WA  
*Ph.D. Mathematics* *September '12 - June '18 (expected)*
- **Tata Institute of Fundamental Research** Bangalore, India  
*M.Sc. Mathematics* *August '10 - May '12*
- **University of Mumbai** Mumbai, India  
*B.Sc. Mathematics* *July '07 - May '10*

## Work Experience

- **Hong Kong University of Science and Technology** Hong Kong  
*Junior Visiting Scholar at Jockey Club, IAS* *September-December '16*
  - Research on uniqueness for inverse problems in elliptic partial differential equations. Specific emphasis on very low regularity and degeneracy of coefficients.
- **University of Washington** Seattle, WA  
*Research assistant, Instructor, Teaching assistant* *September '12 - present*
  - Research assistant under Prof. Gunther Uhlmann working on inverse problems in partial differential equations.
  - Instructor for basic and advanced multi-variable calculus. Taught the course content, gave and graded assignments, quizzes and examinations.
  - Teaching assistant for undergraduate math courses. Led quiz sections for calculus and pre-calculus courses and graded senior level math classes.

## Submitted Papers

- [Determining rough first order perturbations of the polyharmonic operator.](#)  
*Joint work with Yernat Assylbekov.*
- [Cloaking for a quasi-linear elliptic partial differential equation.](#)  
*Joint work with Tuhin Ghosh. (To appear in Inverse Problems and Imaging.)*

## Awards and Honors

- Full Scholarship (August '10 - May '12) by Tata Institute of Fundamental Research, Bangalore.
- Top 1.5% among the graduating class of '10 of over 1000 students at University of Mumbai.
- Top 16 finisher at the inaugural Madhava Mathematics Competition, a mathematics competition for undergraduate students organized under the aegis of National Board of Higher Mathematics, India.

## Skills

- **Technical:** Python, R, C++, MATLAB,  $\text{\LaTeX}$ , SQL, git.
- **Selected Coursework:** Stochastic Calculus, Monte Carlo simulation, Linear Algebra, Probability and Statistics, Numerical Partial Differential Equations, Introduction to Trading Systems.