

## 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 under Prof. Gunther Uhlmann* *June-August '15, March-August '16*
  - Research on inverse problems in partial differential equations.
- **University of Washington** Seattle, WA  
*Instructor* *Summer '14, Fall '15*
  - Taught basic and advanced multi-variable calculus to classes comprising of college freshmen and juniors.
  - Prepared class sessions to help students grasp course content and documented students' attendance, participation, and academic progress by giving and grading assignments, projects, quizzes and examinations.

*Teaching assistant*  
(*Fall: '12, '13, '14; Winter: '13, '14, '15, '16; Spring: '13, '14, '15; Summer '13, '17*)

  - Led quiz sections for calculus or pre-calculus freshmen courses. Responsibilities included demonstration of problem solving techniques, grading exams and holding regular office hours.
  - Grader for senior level math classes on Mathematical Analysis and Geometry. Primary responsibilities involved grading weekly assignments and holding regular problem solving sessions.

## Research 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*

## Awards and Honors

- Full Scholarship (August '10 - May '12) along with annual contingency grant by Tata Institute of Fundamental Research, Bangalore.
- Top 2% among the graduating class of '10, University of Mumbai.
- Top 16 finisher at the inaugural Madhava Mathematics Competition organised under the aegis of National Board of Higher Mathematics, India.

## Skills

- **Technical:** Python, R, C++, MATLAB,  $\text{\LaTeX}$ , SQL, git.