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| CONTACT INFORMATION | Mathematics Department University of California, Santa Cruz | Email: bdeewang@ucsc.edu Website: bdeewang.com |
| EDUCATION | University of California, Santa Cruz <i>Ph.D. in Mathematics</i> Advisor: <i>Junecue Suh</i> <i>M.A. in Mathematics</i> Higher School of Economics <i>M.Sc. in Mathematics</i> Advisor: <i>Vadim Vologodsky</i> Shiv Nadar University <i>B.Sc. (Research) in Mathematics</i> Specialisation in Applied Algebra | California, USA September 2019 – present August 2020 Moscow, Russia June 2019 Uttar Pradesh, India May 2016 |
| EXTERNAL TALKS | A Non-Archimedean Volume of Hilbert Scheme of Points <i>The Mathematics Society Seminar, Shiv Nadar University</i> | August 2019 |
| INTERNAL TALKS | Demystifying the p-adics <i>Graduate Student Colloquium, University of California, Santa Cruz</i> A First Introduction to Motivic Integration <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i> p-adic Integration and Betti Numbers of Calabi-Yau Varieties <i>Geometric Structures on Manifolds Seminar, Higher School of Economics</i> Mordell's Theorem <i>Graduate Student Seminar, Higher School of Economics</i> Derivative of a Number <i>The Mathematics Society Seminar, Shiv Nadar University</i> | November 2020 June 2019 December 2018 May 2018 September 2015 |
| TEACHING | MATH 110 – Introduction to Number Theory <i>Instructor of Record</i> MATH 111T – Algebra <i>Teaching Assistant; Fellowship under SEMILLA Teach</i> MATH 100 – Introduction to Proof and Problem Solving <i>Teaching Assistant; Fellowship under SEMILLA Teach</i> MATH 105A – Real Analysis <i>Instructor of Record</i> MATH 3 – Precalculus <i>Instructor of Record</i> <i>Teaching Assistant</i> MATH 181 – History of Mathematics <i>Teaching Assistant</i> | UC Santa Cruz Summer 2021 UC Santa Cruz Spring 2021 UC Santa Cruz Winter 2021 UC Santa Cruz Fall 2020 UC Santa Cruz Summer 2020 Fall 2019, Spring 2020 UC Santa Cruz Winter 2020 |

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| MAT260 – Linear Algebra <i>Teaching Assistant</i> Tutor, Learning & Academic Support Centre | Shiv Nadar University Fall 2015 Spring 2015 |
| MAT284 – Probability and Statistics Tutor, Learning & Academic Support Centre | Shiv Nadar University Spring 2015 |
| MAT101 – Calculus I Tutor, Learning & Academic Support Centre | Shiv Nadar University Fall 2014 |

**SUMMER
PROGRAMMES,
WORKSHOPS &
CONFERENCES**

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| Graduate Summer School at PCMI <i>Number Theory Informed by Computation</i> (Week 3) <i>Motivic Homotopy Theory</i> (Week 1) IAS/PCMI, Park City, Utah, USA (Remote) | July 2021 |
| Rethinking Number Theory <i>Project Title TBD</i> | July 2021 |
| RTG (Number Theory and Arithmetic Geometry) Research Workshop University of California, Berkeley, USA (Remote) | June 2021 |
| Sparsity of Algebraic Points, MSRI Summer Graduate School MSRI, Berkeley, California, USA (Remote) | June 2021 |
| Rational Points and Galois Representations University of Pittsburgh, USA (Remote) | May 2021 |
| paraDIGMS Spring Conference (Remote) | April 2021 |
| Unlikely intersections, Diophantine geometry, and related fields University of Reading, UK (Remote) | April 2021 |
| Madison Moduli Weekend University of Wisconsin-Madison, USA (Remote) | September 2020 |
| Chicago Number Theory Day 2020 University of Illinois, Chicago, USA (Remote) | June 2020 |
| CTNT Conference University of Connecticut, USA (Remote) | June 2020 |
| Connecticut Summer School in Number Theory (CTNT) University of Connecticut, Connecticut, USA (Remote) | June 2020 |
| International Conference on Number Theory IISER, Thiruvananthapuram, India | March 2019 |
| Summer Programme in Mathematics (SPIM) Harish-Chandra Research Institute (HRI), Allahabad, India | June 2015 |
| Mathematics Training and Talent Search (MTTS), Level O Regional Institute of Education, Mysore, India | May – June 2014 |

**SERVICE &
ORGANIZING**

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| Graduate Student Researcher <i>Redesigning Calculus in the Life Sciences</i> ; under the GANAS grant | CITL, UC Santa Cruz Summer 2021 |
| Summer GSI Peer Support Team <i>Member</i> | CITL, UC Santa Cruz Spring – Summer 2021 |
| Directed Reading Program Co-organisier, with Nathan Marianovsky | UC Santa Cruz March 2021 – present |
| Graduate Student Colloquium, Mathematics Department | UC Santa Cruz |

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| <i>Co-organiser, with David Rubinstein</i> | December 2020 – <i>present</i> |
| Association for Women in Mathematics Chapter <i>Member, Webmaster</i> | UC Santa Cruz November 2020 – <i>present</i> |
| Mathematics Department Diversity & Inclusion Committee <i>Member</i> | UC Santa Cruz October 2020 – <i>present</i> |

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| OUTREACH | Directed Reading Program <i>Mentor, Introduction to Elliptic Curves by Anna Yoon</i> | UC Santa Cruz Winter 2020 |
| | Duke Talent Identification Program (Duke TIP) <i>Residential Counselor</i> | Shiv Nadar University May 2015 |

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| PROFESSIONAL DEVELOPMENT | Preparing for Inclusive Teaching Workshop <i>CITL, HSI Initiatives, Mathematics Department University of California, Santa Cruz</i> | September 2020, 2019 |
| | Graduate Certificate in Course Design & Delivery <i>Center for Innovations in Teaching and Learning (CITL), University of California, Santa Cruz</i> | Spring 2020 |
| | Integrated Course Design for Remote Instruction <i>Online Education (OE), University of California, Santa Cruz</i> | Spring 2020 |
| | Graduate Certificate in Teaching for Equity <i>Center for Innovations in Teaching and Learning (CITL), University of California, Santa Cruz</i> | Spring 2020 |

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| AWARDS & SCHOLARSHIPS | State Funded Scholarship, Higher School of Economics | 2017 – 2019 |
| | Full Merit Scholarship, Shiv Nadar University | 2012 – 2016 |

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| MEMBERSHIPS | Association for Women in Mathematics | February 2021 – <i>present</i> |
| | American Mathematical Society | October 2019 – <i>present</i> |

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| LANGUAGES | <i>English, Hindi, Telugu</i> | |
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