

Mr. Saurav Kumar

Curriculum Vitae

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Academic Qualifications

- 2023–Present **Ph.D.(Pursuing)**, *Delhi Technological University*, Delhi, India.
- 2014–2019 **Integrated BS-MS**, *Indian Institute of Science Education and Research*, Thiruvananthapuram - India.
- 2011–2013 **All India Senior School Certificate Exam**, *Woodbine modern school*, Bihar, India.
- 2010–2011 **All India Secondary School Exam**, *Gyan Bharti Public School*, Gaya, Bihar, India.

Scholarships and Achievements

- 2014–2019 **Innovation in Science Pursuit for Inspired Research (INSPIRE)**, undergraduate fellowship awarded by the Department of Science and Technology (DST) in India to students academically excelling in Science.
- 2020 Secured an all India rank of 99 in **Graduate Aptitude Test Engineering (GATE)** held in February 2020.
- 2019 Won Silver Medal for Volleyball in **Inter IISER Sports Meet (IISM)**, NISER Bhubneshwar.
- 2018 Secured an all India rank of 52 in Council of Scientific and Industrial Research - **National Eligibility Test (CSIR-NET)** held in June 2018.
- 2014 Secured an all India rank of 4297 in **Indian Institute of Technology-Joint Entrance Examination** held in May-2014.

Teaching Experience

- Oct-Dec 2019 **Guest Faculty** in the Department of Mathematics, **University of Delhi**
- Jan 2020 - Feb 2024 **Assistant professor (Ad-Hoc)** in the Department of Mathematics, **Maitreyi College, University of Delhi**
- March 2024 - Present **Assistant professor (Permanent)** in the Department of Mathematics, **Maitreyi College, University of Delhi**

Mentorship

- **SIP 2020**, Guided 4 students to successfully complete summer projects on the topic **COVID- 19 : Impact and Implications.**
- **SIP 2022**, Guided 4 students to successfully complete summer projects on the topic **Sustainable Production of Rice in West Bengal : A Mathematical Model of Rice Growth.**
- **SIP 2023**, Guided 4 students to successfully complete summer projects on the topic **The potential of technological innovation, AI and Machine learning in social transformation.**

Research Experience

- May 2018 – April 2019 **Major Project**, *Title: Sums of Orthogonal Projections*, Indian Institute of Science Education and Research, Thiruvananthapuram, India.
Supervisor: **Dr. Mithun Mukherjee.**
- Jan-Apr 2018 **Minor Project**, *Title: Application of Riemann Zeta Function in Physics*, Indian Institute of Science Education and Research, Thiruvananthapuram.
Supervisor: **Dr. Sreedhar Dutta.**
- Summer 2017 **Summer Internship**, *Title: Fourier Analysis*, Indian Statistical Institute, New Delhi,
Supervisor: **Dr. Tanvi Jain.**
- Summer 2016 **Summer Internship**, *Title: Metric Spaces*, Indian Institute of Technology, Madras,
Supervisor: **Dr. T.V Anoop.**

Seminars

- 2019 Talk at IISER Thiruvananthapuram discussing my major project titled 'Sums of Orthogonal Projections'.
- 2018 Talk at IISER Thiruvananthapuram discussing my minor project titled 'Application of Riemann Zeta Function in Physics'.
- 2018 Talk titled 'Dirichlet's Theorem on Prime Progression' at the Anvesha science exhibition in IISER Thiruvananthapuram.
- 2017 Talk titled 'Prime number theorem' at the Anvesha science exhibition in IISER-Thiruvananthapuram.

Conference Attended

- 2019 International Conference on Number Theory (ICNT), Indian Institute of Science Education and Research, Thiruvananthapuram, March 11 - March 13, 2019.
- 2016 Annual Foundation School, Indian Institute of Science Education and Research, Thiruvananthapuram, Dec 5th - Dec 31st.