

Sayandeep Sarkar

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Graduate student (PhD), Department of Mathematics, Louisiana State University.

Interests

Boltzmann Equation, Kinetic theory, Elliptic and Parabolic Differential Equations, Mathematical Physics

Education

Louisiana State University Ph.D. in Mathematics	2024- 4.09
Indian Institute of Technology, Kanpur Masters of Science (2-yr) in Mathematics	2022-2024 8.8/10
Ramakrishna Mission Vidyamandira Bachelor of Science in Mathematics	2019-2022 9.34/10

Experience

Grading/Tutoring <i>Math 1552 (Analytic Geometry and Calculus II)</i>	<i>Sp 2025</i>
<i>Math 1550-5 (Differential and Integral Calculus)</i> <i>Math 1552 (Analytic Geometry and Calculus II)</i>	<i>F 2024</i>
 <i>Subject matter expert at Chegg Inc.</i>	 <i>2022-2024</i>

Projects

Indian Institute of Technology, Kanpur	
✧ Integral solution for electromagnetic scattering problem	Prof. Akash Anand
✧ Schauder Estimate of Elliptic PDEs	Prof. Adi Adimurthi
Ramakrishna Mission Vidyamandira	
✧ Wormhole solution on $f(R)$ gravity theory	Prof. Saugata Mitra

Technical Skills

Familiar with the programming languages Matlab, Python, C++ (GSL).

Conferences, Workshops, Seminars, Talks, Summer Schools

- ✧ Attended workshop on “Geometry, Analysis, Mathematical Physics” held at NISER Bhubaneswar, from 24th July to 2nd August, 2023
- ✧ Presented paper entitled “Tensor Calculus and its Application in Wormhole Geometry”, in Department of Mathematics, Ramakrishna Mission Vidyamandira, on 4th June, 2022.
- ✧ Participated in presentation competition in Ramakrishna Mission Vidyamandira, held in 2022 on applied mathematics (topic : wormhole), organized by department of mathematics, Ramakrishna Mission Vidyamandira.
- ✧ Participated in the Mathematical Training and Talent Search Program in 2021, held online.

Awards, Achievements

- ✧ INSPIRE scholar since 2019 to 2024.
 - ✧ Qualified GATE (2024) with AIR 418.
 - ✧ Qualified CSIR-NET JRF (June 2022) with AIR 159.
 - ✧ Awarded with Aryabhata silver medal from Ramakrishna Mission Vidyamandira for securing 2nd rank in B.Sc.
 - ✧ Qualified JAM 2022, with AIR 1164.
 - ✧ Qualified JEE mains, WBJEE in 2019.
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