







Phanindra Dewan

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Education

- 2022 –  **Integrated Ph.D., Indian Institute of Science**, Physical Sciences.
CGPA (upto Semester-III): 9.5.
- 2019 – 2022  **B.Sc.(Hons.) in Physics, St. Xavier's College (Autonomous), Kolkata**
CGPA: 8.65.
Final year project title: *Symmetries and Conservation Laws in Classical Mechanics: Space-Translational Symmetry and Conservation of Linear Momentum.*
Project guide: Dr. G. P. Das.
- 2019  **ISC, St. Joseph's School, Darjeeling**
Percentage obtained in Final Exams: 95.4.
- 2017  **ICSE, St. Joseph's School, Darjeeling**
Percentage obtained in Final Exams: 93.17.

Research Experience



- 2023 –  Research Topic: **Molecular Communication: Effect of Relays**
Advisor: Dr. Sumantra Sarkar, IISc.
- Looked into the effect of relays on the information transmission by diffusing molecules on a one-dimensional lattice.
- 2024 –  Research Topic: **Transport in Structured Crowded Media**
Advisor: Dr. Sumantra Sarkar, IISc.
- Understanding the affect of structured crowded media on diffusive transport via simulation.

Skills



- Languages  English, Nepali, Hindi.
- Coding  Python, Mathematica.

Miscellaneous Experience

Awards and Achievements

- 2019  **The Kalyani Bharti Trust Award for All-Round Excellence, Certificate of Merit**, The Telegraph School Awards for Excellence.
- 2023  **Professor M A Viswamitra Memorial Award - Best 1st Year Int. PhD Student**, Department of Physics, Indian Institute of Science.

Results in National Examinations

- 2022  **IIT-JAM (Indian Insititute of Technology - Joint Admission Test for Masters)**, All India Rank: 75.
-  **JEST (Joint Entrance Screening Test)**, All India Rank: 15, Percentile: 99.63.

Miscellaneous Experience (continued)

Schools/Summer Courses Attended

2023  Fascinating World of Flows (Summer Course), at ICTS, Bengaluru