

SUMMARY

Physics Int MSc student, eager to apply knowledge and skills gained through coursework and extracurricular activities to an internship in a related field. Possesses strong analytical and problem-solving abilities, as well as excellent communication and teamwork skills. Committed to continuous learning.

RESEARCH INTERESTS

Mathematical Physics, Quantum Foundations

EXPERIENCE

Internships

- Linear Dynamical Systems
Guide: Anupam Pal Choudhury, SMS, NISER (anupampcmath@niser.ac.in), Summer 2023
- Non-Linear Dynamics and Chaos
Guide: Sayantani Bhattacharya, SPS, NISER (sayanta@niser.ac.in), Summer 2023

EDUCATION

National Institute of Science Education and Research, Bhubaneswar, Odisha, India
Integrated MSc 2022–Current

- Currently in fourth semester
- CGPA: 9.41

Chavara Public School Kottayam, Kerala, India
CBSE Class XII 2022

- 96.4% with Physics, Mathematics, Computer Science, Chemistry

St. Jude's Global School Kottayam, Kerala, India
CBSE Class X 2020

- 96.6%

SKILLS

- **Mathematics:**

- Real Analysis
- Metric Spaces (currently studying)
- Linear Algebra
- Vector Calculus
- Solving Basic Differential Equations
- Basics of Group Theory and Point-Set Topology (currently studying)

- **Programming Languages:**

- Python
- Rust

- **Softwares:**

- Git
- Linux
- L^AT_EX

PROJECTS

- Defining a Metric on the Set of Images
A homework project for my metric spaces course.

SCHOLARSHIPS AND AWARDS

- Innovation in Science Pursuit for Inspired Research (**INSPIRE**)
Scholarship issued by Department of Science and Technology - Government of India 2022–Current
- Batch-22 Topper for first semester, NISER
- General Scholarship for excellent performance in Higher Secondary School Certificate exam 2022
- General Scholarship for excellent performance in Secondary School Certificate exam 2020
- Proficiency winner in Class 6th, 7th, 8th, 9th and 10th for excellent performance in academics 2016-2020
- Prizes in various local chess tournaments

EXTRACURRICULAR ACTIVITIES

- Core Committee Member of Physics Club, NISER
- Core Committee Member of Coding Club, NISER
- Part of tournament organising committee, Chess Club, NISER
FIDE rating of 1116.
- Piano
Merit in Grade 5 Exam, Trinity School of Music, London.