

## SUMMARY

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Physics Int MSc student, heavily focused on rigour; eager to apply knowledge and skills gained through coursework and extracurricular activities to an internship or project. Committed to continuous learning.

## RESEARCH INTERESTS

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Mathematical Physics, Quantum Foundations

## EXPERIENCE

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### 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

## SKILLS

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### ● 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<sup>A</sup>T<sub>E</sub>X

## PROJECTS

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

## EDUCATION

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**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%

## EXTRACURRICULAR ACTIVITIES

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- 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.
- GM of a Dungeons & Dragons Campaign.

## SCHOLARSHIPS AND AWARDS

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- 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