# Manish Behera

Mohanpur • West Bengal, India
**GitHub**: github.com/xeylenol | **LinkedIn**: linkedin.com/in/manish-b-ehera/
**About Me:** A 2nd-year BS-MS (Dual Degree) student at IISER Kolkata, India.

## Education

**Indian Institute of Science Education and Research**               **(IISER) Kolkata**
BS-MS (Dual Degree) in Physical Sciences                        Aug 2023 – Present
2nd Year

- **Relevant Coursework:** Quantum Mechanics [PH2201], Thermal Physics [PH2202], Mathematical Methods of Physics [PH2204], Waves and Optics [PH2101], Mechanics II [PH2102], Organic Chemistry II [CH2204], Basic Inorganic Chemistry II, Organic Chemistry Laboratory I, Introduction to Computation, Biophysics, Physics Laboratory II and III (Modern Physics & Optics)
- *CGPA: 8.42*

**Class XII (AISSCE), Kendriya Vidyalaya**               **Baripada, Odisha**
AISSCE Score: 95.4%                                                        2022

**Class X (CBSE), Kendriya Vidyalaya**               **Baripada, Odisha**
AISSCE Score: 91.8%                                                        2020

## SKILLS

- **Programming:** Python, SQL, HTML/CSS/JavaScript
- **Tools:** Git/GitHub, Blender, Photoshop, OpenCV, Sci-kit Learn, AstroPy, NumPy, Pandas, Matplotlib
- **Hardware:** Basics of Arduino and electronics
- **Laboratory:** Spectroscopy, Modern Physics and Optics, Organic Chemistry Lab
- **Design:** 3D Digital Art (Blender), Graphic Design, Web Development
- **Languages:** Odia (Native), English (Proficient), Hindi (Proficient)

## RESEARCH INTERESTS

- **Computational Physics:** Simulating physical systems using computational methods, particularly in quantum mechanics and thermodynamics.
- **Observational Astronomy:** Exploring celestial phenomena and data analysis from observational datasets.
- **Statistical Mechanics:** Applications in thermodynamics and biophysics, focusing on emergent phenomena in complex systems.
- **Experimental Physics:** Hands-on experimentation in optics, modern physics, and spectroscopy.

# LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **Secretary, SlashDot Coding and Design Club**
  *IISER Kolkata | 2024–Present*
    - Organized coding and design workshops and Events.
    - Led a team of 15 members to develop club events and collaborations with other STEM societies.

- **Graphic Designer & Editor, Insight Science Magazine**
  *IISER Kolkata | 2024–present*

- **Web Developer, Identity Math Club**
  *IISER Kolkata | 2023–Present*
    - Maintained and updated the club's website using HTML/CSS and JavaScript.

# VOLUNTEERING

- **Ek Pehel Initiative**
  *IISER Kolkata | 2023–Present*
    - Prepared material in science and mathematics for underprivileged children in nearby villages.
    - Maintain and update the database of students registered with EkPehal
    - Organized interactive sessions to foster curiosity and critical thinking.

# ADDITIONAL INFORMATION

- Cleared JEE Mains and IIT JEE Advanced 2023, NISER NEST 2023, and IISER Aptitude Test (IAT) 2023.
- Got several gold and silver medals in school olympiads organised by SOF.
- **Interests**: Computational Physics, Observational Astronomy, Statistical Mechanics, Experimental Physics, Science Communication.