

Krishna Tiwari

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OBJECTIVE

As a second-year undergraduate student at IISER Kolkata, I am passionate about exploring the frontiers of biology through interdisciplinary approaches. With growing interest in microbiology and synthetic biology, I am keen to develop research skills in both experimental and computational biology. I aim to contribute meaningfully to scientific understanding while cultivating a strong academic and practical foundation in the life sciences.

EDUCATION

- **IISER Kolkata**, BS-MS Dual Degree — 2023 - Present
SGPA: 1st Semester – 7.15, 2nd Semester – 7.09
- **Ashok Memorial Public School**, Senior Secondary (CBSE) — 2022 - 2023
Percentage: 93.2%
- **Ashok Memorial Public School**, Secondary (CBSE) — 2020 - 2021
Percentage: 93%

LAB EXPERIENCE

- Completed Biology, Chemistry, and Physics laboratory courses for 3 semesters at IISER Kolkata.

SKILLS

Lab Techniques: UV-Vis, IR, Column Chromatography, Paper Chromatography, Titration, Crystallization

Programming: Python, R, LaTeX, Microsoft Office, Gnuplot, NumPy, Matplotlib, SciPy

RELEVANT COURSES COMPLETED

Biology:

Molecular Genetics, Evolutionary Biology, Biophysics, Enzymology, Protein Structure and Folding, Genetic Diseases, Biochemistry Lab

Chemistry:

Reaction Mechanism in Organic Chemistry, Spectroscopy, Inorganic Chemistry I & II, Stereochemistry, General Physical Chemistry, Quantum Chemistry I & II, Physical Organic Chemistry

EXTRACURRICULARS

- Secretary of the Trekking Club, IISER Kolkata (2024–Present)

WORKSHOPS AND EVENTS

- **IISER Kolkata, Institute Open Day** — Volunteer (Feb 28, 2024 & 2025)
- **IIIT Kalyani & GIAN** — Workshop on Entrepreneurship and Innovation (Mar 21, 2024)
- **IISER Kolkata** — Nano Jatha Lecture Series (Jul 5, 2024)
- **Gangeya Student Chapter of East India** — ALEX: Learning Bridges Algorithm and Experiments in Biophysics (Mar 18, 2025)