

Priyanshu Kumar
IISER Kolkata
BS-MS (II Year II Semester)
Email: pk23ms080@iiserkol.ac.in



Area(s) of Interest:

Organometallic Chemistry, CO₂ fixation, Sustainable and Green Chemistry
Nanoscience

EDUCATION

BS-MS | Aug 2023 - June 2028

Indian Institute of Science Education and Research (IISER), Kolkata

- Relevant Coursework: Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Thermodynamics

*last semester GPA on scale of 10

GPA : 9.08

Senior Secondary | Mar 2020 - June 2022

S. V. M. Jaspur, Uttarakhand

- School President, 2020-21

PCM % : 93

PROJECTS

Project on Synthesis and Characterization of Semiconductor Nanoparticles

IISER Kolkata

- Synthesized some small-scale nanoparticles and did their conformational analysis.
- Showed the results to corresponding Faculty and got a new small reading project on Bandgap Engineering.

Reading Project on Bandgap Engineering

IISER Kolkata

Summer Research Project on OER

VM Lab

- We Synthesized Nickel Oxalate nanoparticles and grown Iron nanoparticles over it to check its OER activity.
- We did characterization, SEM, TEM, XRD analysis to understand structure and did DFT calculation to have understanding of active sites.
- While learning this I've also learnt about CO₂ fixation using these types of catalysts.

Quest Fellowship 2024

Dunin-Deshpande Queen's Innovation Centre

- A two-month long program on scientific research, patent and entrepreneurship development.
-

ACHIEVEMENTS AND SKILLS

- | | |
|------------------------|---|
| • Vedic Mathematics | : Silver, State level (2017) |
| | : Gold, State level (2019) |
| • Hindustan Olympiad | : Reached till Fill round with #1 in district #7 in State |
| • Programming language | : Python |
| • Software Packages | : Chem-draw, Matplotlib, Origin, M.S. Office |
| • Operating System | : Linux(Ubuntu), Windows, Mac |
| • Typing and Editing | : LaTeX, Vim, 50 wpm, Video and Photo editing |
| • Languages Known | : English (SRW), Hindi (SRW), German (R) |
-

EXTRA CURRICULAR

- Drawing
 - Crafting (Paper and Mud)
 - Guitarist
-

PERSONAL DETAILS

- **Father's Name** : Mahesh Singh
 - **Date of Birth** : 22 Aug, 2005
 - **Gender** : Male
 - **Category** : General
 - **Contact No.** : +91 9012609187
 - **LinkedIn** : <https://www.linkedin.com/in/priyanshu-chauhan-636183293/>
 - **Address** : D-211 NH, IISER Kolkata, 741246, WB
-