

Sampanna Panigrahi
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DOB: 20 April, 1999



Objective: Seeking a job opportunity that will allow me to use my chemistry lab skills, personality, and organizational skills in an innovation and research environment.

Relevant Skills

Laboratory skills: Column chromatography, Thin layer chromatography, NMR analysis, UV Visible spectroscopy, FT -IR spectroscopy, Operating a Rotary Evaporator

Computational skills: Programming – Python, Graphing and data analysis on Origin, Microsoft Office (Word, Excel, PowerPoint), ChemDraw, Typing And Data Entry

Soft skills: Presentation, Data analysis and Organisation, Teamwork, Fluent in English, Hindi, Bengali and Odia.

Education

- Integrated Bachelor's and Master's in Chemical Science, *Indian Institute of Science Education and Research, Kolkata*, August, 2016 to June, 2021, CGPA - 8.81/10.
- Higher Secondary Education – 93%

Professional Experience

IISc Bangalore, India

Summer Intern

May, 2019 – July, 2019

Involved in research activity in a chemical biology lab on Synthesis of precursors for α -helical peptide molecule. Performed protection and deprotection on N- and C- terminal of amino acids (glycine and alanine) to form Ns-Gly-OBn. Introduced propyl- alcohol group on the N- terminal by Fukuyama Mitsunobu reaction. Joined the two precursors to form a dimer of glycine and alanine with a $-(CH_2)_3$ - linker by second Fukuyama Mitsunobu react.

IISER Bhopal, India

Summer Intern

May, 2018 – July, 2018

Involved in research activity in an organic semiconductors lab on Synthesis of Tetraphenylporphyrin. Gained Conceptual Knowledge of the Experimental Techniques and the subject.

IISER Kolkata, India

Thesis project

August, 2020 – June, 2021

Synthesis of metal organic frameworks and using them as catalysts for organic reactions like transesterification reaction, cycloaddition, etc. with the aim of CO₂ fixation.

Ek Pehal, IISER Kolkata

Volunteer

August 2016 – April, 2018

Planned events and activities, and mentored underprivileged kids with their studies.

Research Interest: Polymer chemistry, Material science, Nanotechnology, Molecular Spectroscopy

Achievements: GATE 2021 AIR 29, CSIR NET 2020 AIR 10, Recipient of DST-INSPIRE scholarship