

Supratim Das

JRF (NET) CSIR '25 | GATE '25 |

Computational & Condensed Matter Physics



About Me

Aspiring researcher in computational condensed matter physics with hands-on experience in Python programming and simulations. Strong interest in applying computational techniques to understand material properties and advance scientific research.

Personal

Supratim Das
DOB 07 July 2001
Bhatpara, 24 PGS(N), WB, INDIA

Areas of specialization

Python • Data Analysis • Solid State Physics • Computational Condensed Matter Physics • DFT Calculation • LaTeX • Quantum ESPRESSO • Monte Carlo simulation • Web Development • Machine Learning

Short Resume

2022-2024

M.Sc. in Physics

UNIVERSITY OF KALYANI, KALYANI

Specialization: Advanced Solid-State Physics (CGPA: 7.77)

Project Work (Apr 2024 – Aug 2024)

Dissertation on Electronic Structure and DOS of Pristine Wurtzite GaN: An Ab Initio Study using Quantum ESPRESSO, under the guidance of Dr. Sudipta Pal and Dipanjan Biswas.

DOI: [10.13140/RG.2.2.27948.88965](https://doi.org/10.13140/RG.2.2.27948.88965)

2019-2022

B.Sc. in Physics

KALYANI MAHAVIDYALAYA, KALYANI

Grade: First Class - Exemplary (CGPA: 9.34).

Project Intern, University of Kalyani (Jan 2022 – Jun 2022)

Dissertation on Python package magnetocaloric.mcepy==1.1.9, developed to determine magnetocaloric performance from M(H) data of magnetic materials (tested on rare-earth orthoferrite).

DOI [10.5281/zenodo.15268202](https://doi.org/10.5281/zenodo.15268202)

Curriculum



Data Analysis with Python

IBM (July 2023)

<https://www.coursera.org/account/accomplishments/verify/PQSA5XE3LUC>



Data-driven Astronomy

University of Sydney (June 2023)

<https://www.coursera.org/account/accomplishments/verify/7NPUMFP995P>



Advanced Diploma (Information Technology Application)

Hewlett Packard Enterprise (August 2021)

Credential ID WB1134382125

Languages

Bengali (Mother tongue)

English

Hindi

Technical Skills

Python

Scilab

Web Development

LaTeX

Machine Learning

Research Grants



Junior Research Fellowship (JRF)

— CSIR, Government of India

(2025–Present) | Awardee

Awards & Honors

Prof. Prasanta K. Rudra Memorial Award — University's 2nd National Physics Meet 2023 | Awardee
Recognition: Best scientific poster presentation (M.Sc.)



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