


SWETA SETHI

 Sweta Sethi

 sweta-sethi12.github.io

 Research blog

Education

Indian Institute of Technology Madras Physics PhD	2023-present
Indian Institute of Science Education and Research Berhampur, BS-MS Dual Degree	2018-2023

Research interest

Gravitational wave physics	2018-present
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Research Experiences

Master's dissertation, Indian Institute of Science Education and Research Kolkata	2022-2023
Summer student, International Centre for Theoretical Sciences, Bengaluru	2022
Intern, Indian Institute of Technology Madras	2021-2022
Summer student, Inter-University Centre for Astronomy and Astrophysics, Pune	2020
Intern, Indian Institute of Science Education and Research Kolkata	2020

Academic Qualifications

Graduate Aptitude Test in Engineering - Physics	2023
TOEFL iBT	2022

Publication

Quantum Simulation of Lattice Protein Models Using Quantum Annealing (RG)	2020
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Projects

Study of higher harmonics in the GW radiation of BBH mergers using PSO	2022-2023
Simulation of linear hyperbolic equations using deep neural networks	2021
Phishing detection using machine learning	2020
Unsnarling the chaos: Numerical analysis of Double Pendulum	2020
Quantum Simulation of Lattice Protein Models Using Quantum Annealing	2020

Skills

understanding human behavior and psychology	2022-present
Physics 'O' Wizards (personal blog)	2020-present
speedcubing, illustrations on clouds, programming, IBM Q, Qiskit	2004-present

Public Talks

Naxatra, Astronomy club of IISER Berhampur (to middle school + high school students)	2020
STREAM, annual open science day (to middle school + high school students)	2020