



# Ritajit Kundu

## Curriculum vitae

### Education

- 2014–2017 **B.Sc**, *Scottish Church College, Kolkata, 68%*.  
2017–2019 **M.Sc**, *Indian Institute of Technology Kanpur, CPI 8.5*.  
2019–present **Ph.D**, *Indian Institute of Technology Kanpur, CPI 9.5*.  
**Theoretical Condensed Matter Physics**

### Research

- Field *Theoretical Condensed matter physics*  
Topic *Interacting Topological systems*  
Supervisor
  - **Prof. Arijit Kundu**, Assistant Professor, Department of Physics, IITK
  - (Co-supervisor) **Prof. Amit Dutta**, Professor, Department of Physics, IITK

### Honors & Awards

- 2017 **The Certificate of Merit**, *Indian Institute of Technology Kanpur*.  
For academic excellence in The Master of Science  
2019–present **Prime Minister's Research Fellows**, *MHRD, Government Of India*.

### Relevant Coursework

#### During M.Sc

- Mathematical Methods
- Classical Mechanics
- Quantum Mechanics
- Statistical Mechanics
- Electrodynamics
- Electronics
- Experimental physics
- Many-body physics
- Condensed matter physics
- Computational physics
- General relativity and cosmology
- Atomic and nuclear physics
- Quantum field theory

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### During Ph.D

- Quantum Field theory
- Advanced statistical mechanics
- Magnetism in materials
- Strongly correlated systems

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### Master's Project

Title *Driven Quantum Systems*  
Supervisors Prof. Amit Dutta

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### Teaching Assistant

PHY441 Electronics (2019 odd semester at IITK)  
PHY543 Condensed Matter Physics (2020 odd semester at IITK)

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### Skills

Programming Mathematica, C++, Python, Julia, Fortran  
Utilities Shell Script, Unix Command line utilities