



Rakhi Katyal

Master of Science (Physics)
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EDUCATIONAL QUALIFICATION

Year	Degree/Certificate	Institute	Percentage
2023-Present	M.Sc. Physics	Indian Institute of Technology, Jodhpur, Rajasthan	7.8
2020-2023	B.Sc. Physics(H)	GJUST Hisar, Haryana	70.6%
2020	CBSE(XII)	Jawahar Navodaya Vidyalaya, Fatehabad, Haryana	89%
2018	CBSE(X)	Jawahar Navodaya Vidyalaya, Fatehabad, Haryana	90.4%

AREA OF INTEREST

- Condensed Matter Physics
- Soft Matter Physics
- Computational Material Science

COMPUTER SKILLS

- **Programming Languages:** C++(Basic), Python(Basic), Fortran(Basic)
- **Technical Skills:** GROMACS, Xmgrace, Visual Molecular Dynamics, GNU PLOT, MS Office
- **Operating Systems:** Windows, Linux (Ubuntu)

COURSE WORK

- **Core Courses:** Mathematical Physics, Quantum Mechanics, Classical Mechanics, Electronics, Condensed Matter Physics, Nuclear & Partical Physics, Soft Matter Physics, Physics of Atoms & Molecules, Electrodynamics
- **Lab Courses:** Electronics Lab, Condensed Matter Physics Lab, Atomic and Nuclear Physics Lab, Optics and laser Lab
- **Elective Course:** Soft Matter Physics, Statistical Mechanics and Molecular Simulation, Advanced Condensed Matter, Introduction to Medical Physics, Statistical Method of Data Analysis

ACADEMIC ACHIEVEMENTS

- IIT JAM 2023 Qualified
- Gate 2024 Qualified
- Selected for SRFP 2024 at JNCASR

CERTIFICATE

- **Machine learning with Python:** Course era
- **Real Gas Simulation at Constant Temperature:** JNCASR

CONFERENCES AND WORKSHOPS

- Attended a workshop on Molecular Modelling of Nanomaterials and Biomolecules Organized by PG and Research Department of Physics, Holy Cross College, Tiruchirappalli, Tamilnadu
- Summer Internship 2024 at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangaluru

DECLARATION

I hereby declare that all the facts given above are true and correct to the best of my knowledge.

Date: 21.10.2024