



UDIT KUMAR

Junior Research Fellow

PROFILE

Ph.D. researcher at IIT Delhi working on theoretical optoelectronics. Currently learning and applying DFT, GW/BSE, and optical property calculations to explore the fascinating world of materials science and light-matter interactions. I am passionate about using computational tools to contribute to sustainable technological research.

CONTACT

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ADDRESS

MS 543, Main Building, IIT Delhi

SKILLS

VASP
Quantum ESPRESSO
Python
YAMBO
Adobe Illustrator
C++
Fortran
Latex

EDUCATION

Indian Institute of Technology Delhi

July 2024 - Present

Indian Institute of Technology Indore

2020 - 2022

CPI: 8.88

University of Delhi

2017 - 2020

CGPA: 8.446

J.P. International School

H.S.C. 2017: 91.6% (Physics, Chemistry, Maths, Computer Science)

S.S.C. 2015: CGPA 10

RESEARCH EXPERIENCE

IIT Indore (M.Sc. Research Project)

September 2021–July 2022

Topic: THz Time-Domain Spectroscopy of ZnO Thin Film and Nanostructures

ACADEMIC ACHIEVEMENTS

- GATE 2024 (AIR 201)
- JEST 2024 (AIR 128)
- CSIR NET LS (AIR 107)
- TIFR GS 2024 Qualified
- GATE 2023 (AIR 410)
- IIT JAM 2020 (AIR 657)
- JEE Mains 2017 Qualified