

NITESH KHATIWADA

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🔗 n-khatiwada

»»» Experience

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|---|--|--------------------------|
| June – present | DAAD Rise Worldwide Internship Program | Deutscher Akademischer. |
| » Synthesis of Green Carbon Quantum Dots for Thermal Sensing and White LED | | |
| Sep. 21 – May 22 | Advanced Physics Labs Teaching Assistant | Jacobs University Bremen |
| » Supervision of laboratory experiments focused on quantum mechanics and renewable energy resources. | | |
| June – August 2021 | Quantum Cellular Automata for Quantum Computation | Jacobs University Bremen |
| » Literature Research, Documentation, State of the art in Quantum Computing, and Organizational Tasks | | |

»»» Education

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|---|--|--------------------------|
| Sep. 22 – present | MSc. Quantum Technologies and Engineering | Université Bourgogne |
| » Erasmus Mundus Scholar 2022-2024 | | |
| » Relevant Coursework: Quantum Physics, Soft Matter, Condensed Matter Physics, Numerical Methods for Physics, Signal Processing | | |
| August 19 – June 22 | BSc. Physics · Minor in Computer Science | Jacobs University Bremen |
| » Relevant Coursework: Quantum Mechanics, Condensed Matter Physics, Statistical Physics, Advanced Physics Labs, Advanced Optics, Nanotechnology, Computational Physics, Mathematical Physics, Software Engineering, Machine Learning, Algorithms and Data Structures, Numerical Methods | | |

»»» Tech and Skills

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|---------------|--|
| » Python: | Proficient · · Scientific Packages and different Frameworks for App. Development |
| » Linux | Proficient · · Window Managers · Arch · Debian |
| » $L^A T_E X$ | » Git » MySQL » MATLAB/Octave » C/C++ » Lua » Shell |

»»» Languages

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|------------|--------------------------|-----------|-------------------------|
| » English: | Professional Proficiency | » German: | B1 · Fluent in Speaking |
| » French: | Elementary Level | » Nepali: | Native |
| | | » Hindi: | Near Native |

»»» Clubs and Activities

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| Sep. 2021 - present | Planetarium for High School Students | Bremen |
| » Engage high school students from local community in study of Astrophysics and organize visits to planetariums. | | |
| » Developed an interactive android application to list the celestial objects in the sky in real time based on the position and the angle made by the smartphone | | |
| since 2020 | Mathematical and Theoretical Physics Seminar | Jacobs University Bremen |
| » Active member with ongoing project; organized for advanced undergraduate/graduate students and researchers with interest in the field of Quasi-Free States | | |