

CONTACT

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Ashray Jain

Quantum Tech Major



Master's student, *graduating in Summer 2025*, specialising in Quantum Technology. Passionate about exploiting quantum systems for computation and eager to contribute to cutting-edge quantum hardware development.

Miscellaneous

2019
Ten Preliminarily confirmed
asteroid discoveries in
Spaceport India Asteroid
Hunt Campaign

2023 -2025
Examples of some of my
recent research work:

ashrayjain.in/#projects

Skills

- Python
- LaTeX
- Mathematica / MatLab
- Git / Github
- Literature Review
- Research Planning & Documentation

Languages

Hindi (Native)
English (C2)
German (B1)

Education

○ **2022 - 2025** * *Graduating in Summer 2025*

Universität Leipzig | Leipzig, Germany | *CGPA 2.0*

Master of Science, Physics

- Specialising in Quantum Technology with a thesis focused on nitrogen-vacancy (NV) centres in diamond. Gained hands-on experience relevant to quantum chip development, aligning closely with ongoing work in quantum sensing and computation using NV centres.
- Achieved a GPA of 1.0 in Quantum Technology course.
- Other focused work includes advanced seminar in Deep Learning, hands-on training in EPR Spectrometry and Advanced Experimental Physics courses among others.

○ **2018 - 2021**

Amity University | Noida, India

Bachelor of Science (Honours), Physics

Completed two mini-thesis projects: one on Raman spectroscopy, focusing on vibrational modes in molecular systems, and another on chaos theory, exploring non-linear dynamical systems and sensitivity to initial conditions.

Work Experience

○ **2022 - 2023**

Ritter GmbH | Leipzig, Germany

Customer Service Associate

Handled customer service, and insured organisation. Later responsible for training new employees at a fast-food chain.

○ **2020 - 2021**

Habitat for Humanity India | Mumbai, India

NGO Volunteer

Assisted in public outreach and fundraising efforts, successfully engaging with community members to raise funds in support of affordable housing initiatives.

○ **2019**

Space Development Nexus (SDNx) | New Delhi, India

Internship

Gained hands-on experience in orbital mechanics and rocketry. Designed, built, and successfully launched a sugar-saltpetre powered rocket as part of a guided project, applying theoretical concepts to practical aerospace engineering challenges.