ABOUT

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🇮🇳 Indian

🎂 2nd November, 1999

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04103 Leipzig
Germany

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.

Skills

- Python (Experienced)
- LaTeX (Experienced)
- MatLab (Intermediate)
- Github (Intermediate)
- Data Analysis & Simulation
- Research Planning & Documentation

Miscellaneous

- Ten Preliminarily confirmed asteroid discoveries in Spaceport India Asteroid Hunt Campaign
- Some of my projects:

  ashrayjain.in/#projects

Languages

- Hindi (Native)
- English (C2)
- German (B1)
- Chinese (A1)

Hobies

- Theatre / Performance
- Hiking & Mineral Hunting
- Photography
- Writing

Education

04/2022 - 09/2025 ✱ *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.

08/2018 - 08/2021
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

08/2022 - 06/2023
Ritter GmbH | Leipzig , Germany
Customer Service Associate

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

08/2020 - 08/2021
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. All done digitally on account of COVID-19 pandemic.

09/2019 - 01/2020
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.