Anand Utsav Kapoor

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Experience

Ghent University, Postdoctoral Researcher — Ghent, Belgium
- Radiative transfer modeling of ionized gas emission in SKIRT — Oct 2024 – present
- Galaxy morphology with Euclid Early Release Observations (Perseus cluster) — 2 years 2 months

Laboratoire Lagrange, Observatoire de la Côte d'Azur, Postdoctoral Researcher — Nice, France
- Worked on adding radiation pressure to CO5BOLD, a 3D radiation-hydrodynamics code for simulations of stellar convection — Nov 2023 – June 2024, 8 months

Education

PhD **Ghent University**, Astrophysics — Ghent, Belgium, 2019 – 2023
- Thesis: Realistic multi-wavelength mock observations for the Auriga cosmological simulations
- Developed TODDLERS, a UV-to-mm emission library for star-forming regions in SKIRT

MSc **Observatoire Astronomique de Strasbourg, Université de Strasbourg**, Astrophysics — Strasbourg, France, 2018 – 2019

MSc **École Centrale de Lille and Université de Poitiers**, Turbulence — Lille and Poitiers, France, 2016 – 2018
- Joint programme of the Laboratoire de Mécanique des Fluides de Lille and Institut Pprime

Talks

- Nov 2026: *Ionized gas observables with 1D and 3D models*, talk, and SKIRT photoionization tutorial (with A. Gebek and M. Baes), Lorentz Center workshop *From Galaxy Formation Simulations to Observations Using Forward Modelling*, Leiden
- Sep 2026: *Predicting ionized-gas emission from galaxy simulations in 3D with SKIRT*, contributed talk, BUGS2026 *Building Galaxies from Scratch II*, Heidelberg

Languages

English
Fluent

Hindi
Native speaker

Punjabi
Native speaker

French
Basic