

# Shantanu Pathak

Junior Research Fellow

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## EDUCATION:

**10th:** Nav Nalanda Sr Sec School, Nokha

2014, Percentage: 84.5%

**12th:** Sun Bright Sr Sec School, Nokha

2016, Percentage: 91%

**Graduation:** M.L.B. Govt. PG College

2016–2019 (B.Sc.), Percentage: 83.11%

**Post Graduation:** University of Delhi

2019–2021 (M.Sc in Physics), CGPA: 7.9

**PhD:** Department of Physics, Indian Institute of Technology,  
Delhi

2023–present

## PROJECTS:

**KARYA fellowship–DST Rajasthan**

Vainu Bappu Observatory, IIA

Title: Variation of  $H\alpha$  emission strength of a T Tauri star: TW Hya

May 2018– July 2018

**DST NIMAT PROJECT 2018–19**

AGRA

## Other Qualifications:

**GATE 2022:** Qualified

Rank: 478

**JEST 2022:** Qualified

Rank: 7

**NET JRF June 2022:** Qualified

Rank: 59

## SKILLS:

- MS office.
- X-ray diffraction analysis  
(VESTA, fullProf, Origin pro)
- Image Reduction and Analysis Facility (IRAF)

## AWARDS:

- INSPIRE Scholarship and Fellowship
- NSS

## LANGUAGES:

- Python
- C

## Field of Interest:

Materials application in the renewable energy field (Exploring excited state physics)