

# Intro2Astro 2025

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## **What are your goals for this course ?**

My primary goal for this course is to inculcate a foundational and solid understanding of Observational Astronomy and Data-driven methods used in Modern Astrophysics. I aim to learn how to use Python to analyze Astronomical data and understand techniques like transit light curve fitting and querying data archives, thus improving my practical skills in this domain. I also aim to develop a Research-oriented Mindset from this course which would help me in my future research career.

## **What topics in Astronomy interest you ?**

I have a keen interest in "Astrophysics and Space Sciences". My focus revolves around the fields of Computational Astrophysics (including Data-driven aspects of Astronomical Data), High Energy Astrophysics (especially in Multi-messenger Astrophysics), Radio Astronomy, and Solar-Terrestrial Physics/Space Weather.

I am drawn to the way Data, Theory, and Physical Phenomena connect to reveal the Hidden Mechanics of our Universe.