VEDANT PRAKASH SHENOY

IIT BOMBAY

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ABOUT ME

Final year undergraduate student in Engineering Physics at IIT Bombay.

Interested in Astrophysics and Observational Astronomy.

Amateur Astronomer and Astrophotographer.

EDUCATION

IIT BOMBAY
2017 - 2021 | B.Tech ENGINEERING PHYSICS

KE HIGHER SECONDARY SCHOOL
2015-2017 | Higher Secondary

EXPERIENCE

Sept 2020- Present
SEARCH FOR FAST TRANSIENTS IN ASTROSAT CZTI
Prof. Varun Bhalerao, IIT Bombay

- Wrote extensive and modular Python codes for transient searches,
- Automated Searches for transients including searches for FRB counterparts and EMGW.

2019
MILY WAY ROTATION CURVES USING GAIA DR2
Prof. Subha Majumdar, TIFR

- Cross-matched Gaia DR2 with SDSS DR9 to obtain 3D position and velocity of BHB stars and K-Giants
- Used Jean's equation for axisymmetric systems to obtain rotation curves for the Milky Way halo

2019- 2020
ASTRONOMY OUTREACH
Manager, Krittika: The Astronomy Club of IIT Bombay

- Conceptualized and mentored mini-projects using Python for Astronomy, constructing HR diagrams (and subsequent inference) and gravitational simulations
- Helped create Jupyter-notebook tutorials introducing Python for Astronomy for a general audience (Krittika Summer Projects 2020)
- Organized Lectures, Workshops, Stargazing Sessions

SKILLS

PROGRAMMING	MARKUP LANGUAGES	OTHERS
Python	LaTeX	Astrophotography
Bash	Markdown	Public Speaking
Git	HTML	Writing