



Akhil Sharma

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Research Scholar

Applied mechanics and Biomedical Engineering

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[Interface lab, IITM](#)

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
10th	, Delhi Public School,Rajouri	10	2013
12th	KC International School,Jammu	87.4%	2015
BSc.	Guru Nanak Dev University,Amritsar	8.58 %	2020
MSc.	Indian Institute of Technology, Kharagpur	8.63	2022
PhD	Indian Institute of Technology, Madras	Current	2024-Present

Profile

I am energetic, hardworking, ambitious person who has developed a mature and responsible approach to a task that I undertake, or situation that I am presented with. As a Master Student in Physics from IITKGP, I am excellent in working with other to achieve a certain objective on time and with excellence. I am good in theoretical Physics and I worked on Project on Complex Systems. Honestly, I want to apply my work on the large complex bodies like Jupiter, i.e how the waves on the Jupiter interact with its Topography as very complex structures are formed in its environment.

Courses

Additional Courses in complex system

- I took a Six month course on Order and Chaos in Deptment of Physics at IITkgp.
- I also studied a Six month course on Pattern Forming Instability in Deptment of Physics at IITKGP.

MSc thesis/Research work (Complex system)

- I worked on MSc thesis (for one year) on interaction on non-linear waves with Topography (Complex system) under the guidance of Dr Kannabiran Seshasayanan. I worked for the velocity for finite depth and also how the the Topography interacts with the Amplitude if the waves.

SKILLS

- **Programming:** python
- **Mathematical Computing:** Mathematica
- **Operating Systems:** Windows, Linux ,IOS
- **Writing tools :** \LaTeX

Extracurricular activities

- Cricket Player (Department Level)
- Chess Player (Department level)
- Badminton Player (University level)
- Table Tennis Player (Deptment level)

Achievements

- Crack Joint Admission Test for Masters (IITJAM, 2020) - All India Rank 218
- Crack JEE Mains (Joint entrance examination) two times (In years 2015 and 2017)
- Ranker in 4th International Mathematics Olympiad - International rank 1766 (final round)
- Crack CUET- PhD (Central University Entrance Test for PhD) Qualify INAT -2024 (IUCAA National Admission Test, Written
- Qualify TIFR GS-2024
- Qualify GATE 2024
- Crack Joint Entrance Screening test (JEST , 2024) with All India Rank (AIR) - 272