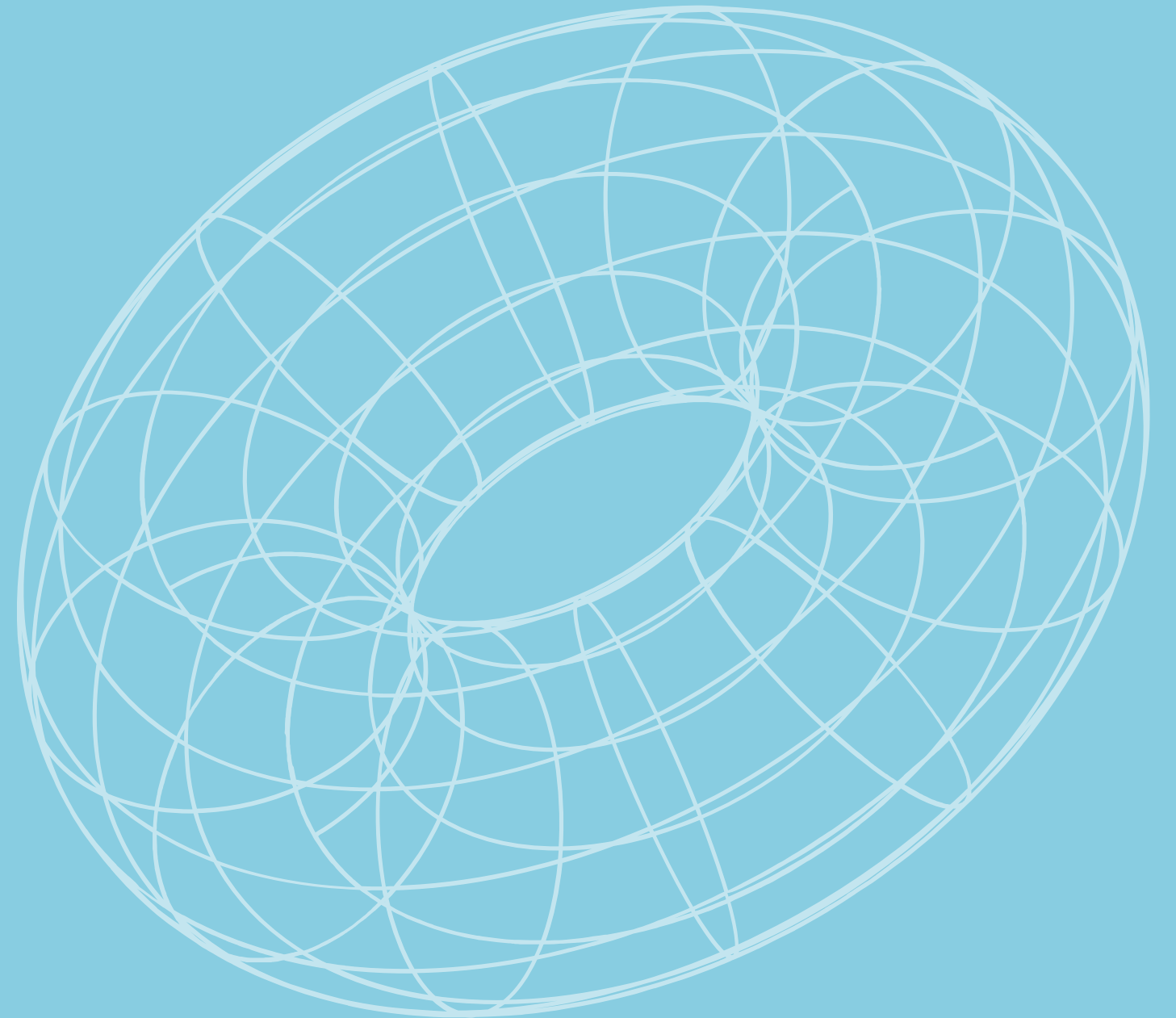


A JOURNEY OF PASSION AND GROWTH

# My Journey: Physics, Business, and Geophysics

This presentation details my unique journey, intertwining **physics and business**. It showcases my academic achievements and professional experiences, leading to my passion for **geophysics** and how each step has shaped my career path.



A Journey by Y Sai Jyoshna into Geophysics

# About Me

- Bachelor's in Physics, Chemistry, and Mathematics (2019–2022)
- MSc in International Business (Scholarship offer recipient)
- Long-standing passion for geophysics and astrophysics
- Currently building a GitHub portfolio aligned with Viridien's graduate role

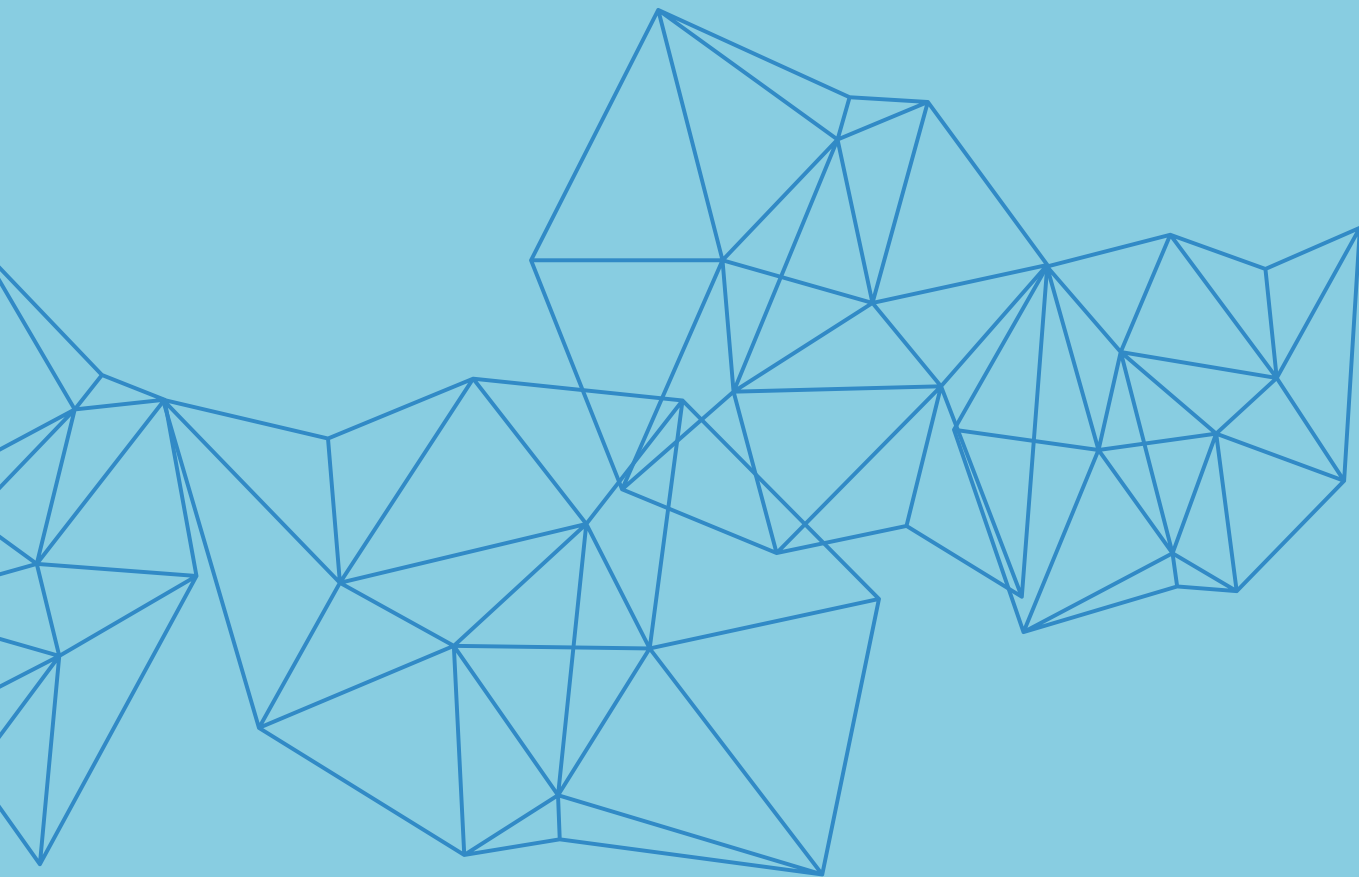
## Core Motivation

**"Though I pursued a master's in business due to financial constraints, my core interests have always been in the sciences — specifically, geophysics and astrophysics."**

- Passion for earth sciences and data analysis since undergrad
- Turned challenges into opportunities by combining business acumen and technical learning

# Technical & Research Background

## My Background



## STEM graduate with strong academic foundation

- I have a strong foundation in physics, mathematics and chemistry methods.
- **Interned at HAL** (Metal, Oil and Sound Analysis)

Hindustan Aeronautics Limited (Manufactures Indian war planes and Civil helicopters)

## Research Interests in Geophysics/Astrophysics

- Hands-on with satellite navigation (ISRO-IIRS), geo-processing (Python)
- GALEX data analysis using GDL
- Published in Scientia Journal
- Volunteered in state and national level science events

## Relevant Project Experience

- Assisted IIT professor on NUV & FUV satellite data imaging
- Member of Astronomical Society of India (ASI)
- Participated in Space Radiation Workshop by ASI
- College-level physics research clubs

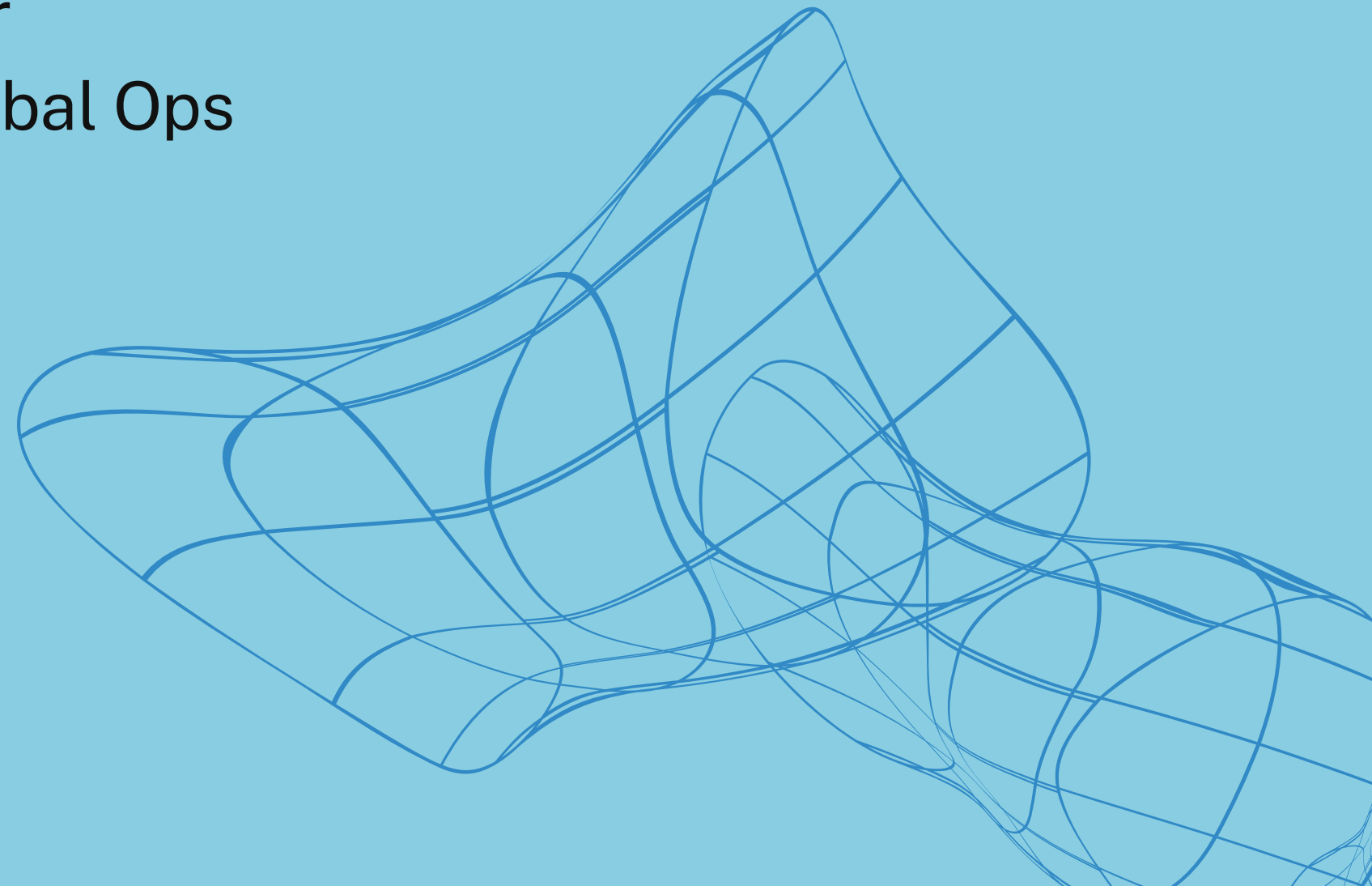
# Business MSc — Gaining a New Perspective

Despite receiving multiple offers for MSc programs in Astrophysics and Physics from top UK universities, I chose to pursue a Master's in International Business at the University of Exeter due to financial constraints. I was fortunate to receive a scholarship for this program, which made it a viable option. This opportunity allowed me to build a strong foundation in strategy, sustainability, and global operations.

- MSc in International Business – University of Exeter
- Specialized in: Sustainability, Market Strategy, Global Ops

## Business Skills Valuable to Viridien:

- Strategic planning
- Corporate understanding
- Decision-making under uncertainty





# Why Geophysics?

## Why Viridien?

- FFT, filtering, STA/LTA, wavelets
- ObsPy, ML classification
- PDF OCR, Neo4j, AWS workflows

- **Role aligns with interests:** seismic imaging, signal processing, tech + science.

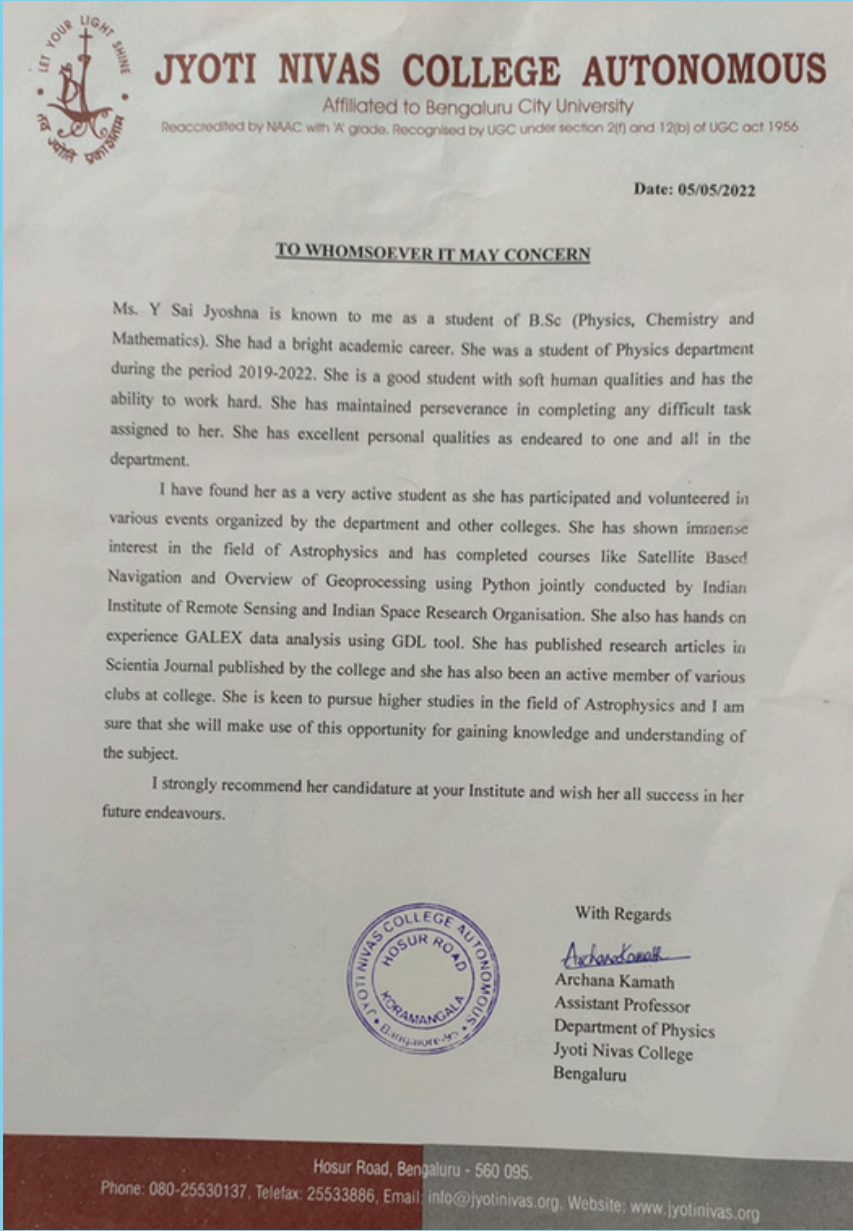
Excited to contribute:

- Physics + Business blend
- Fast-learning (GitHub proves it)
- Analytical mindset

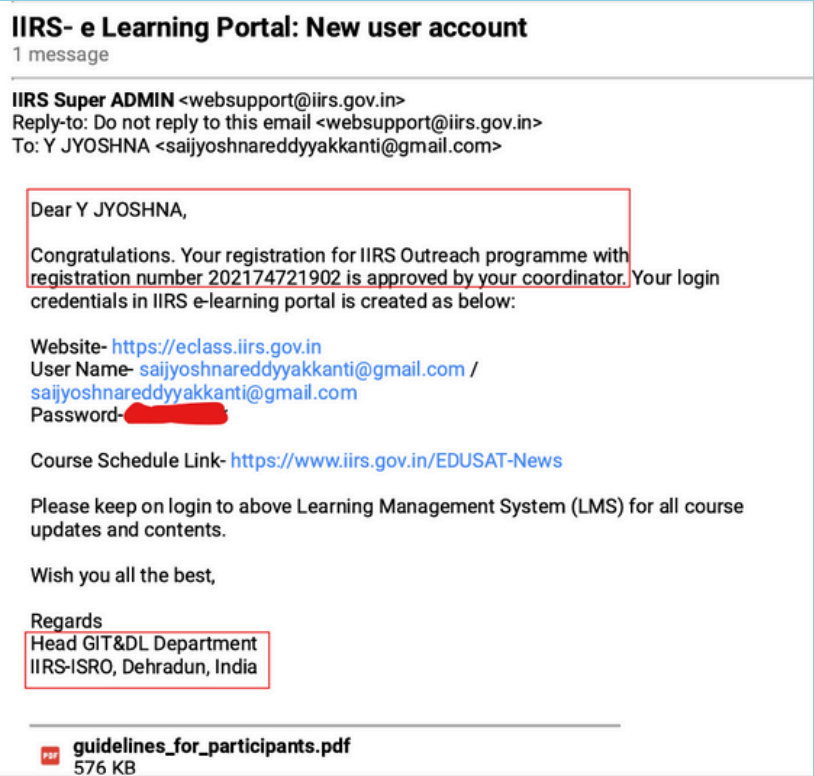
## GitHub Project Showcase

# Key Proofs for My work & Recommendation

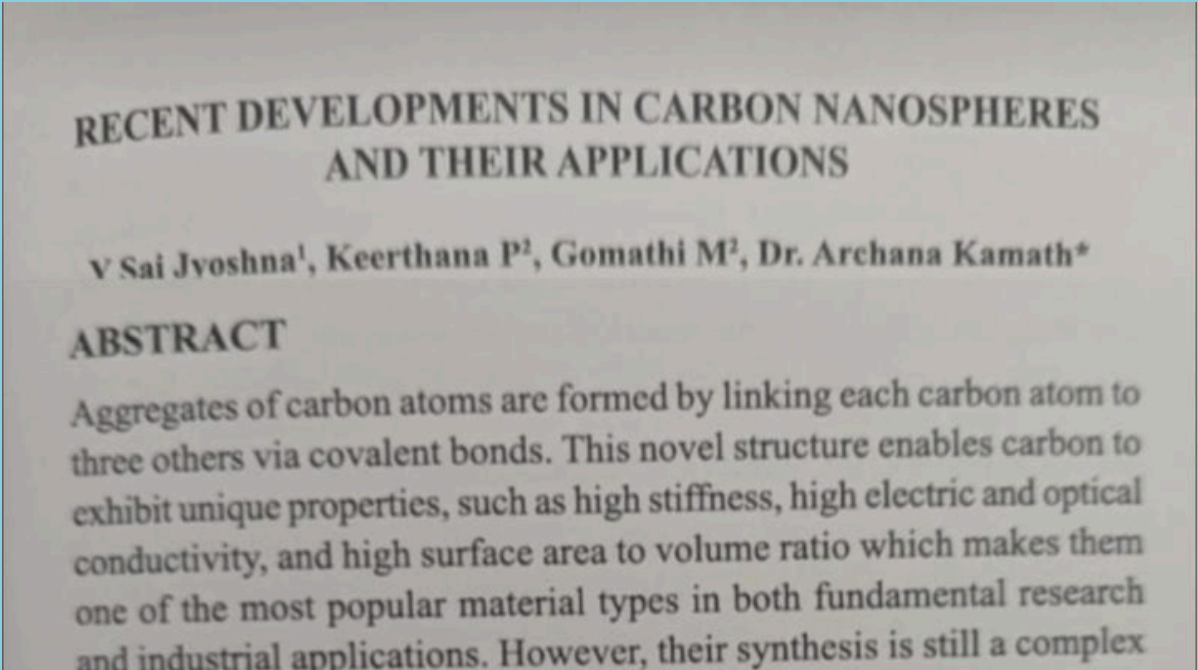
Highlighting support from mentors and colleagues



## Recommendation letter



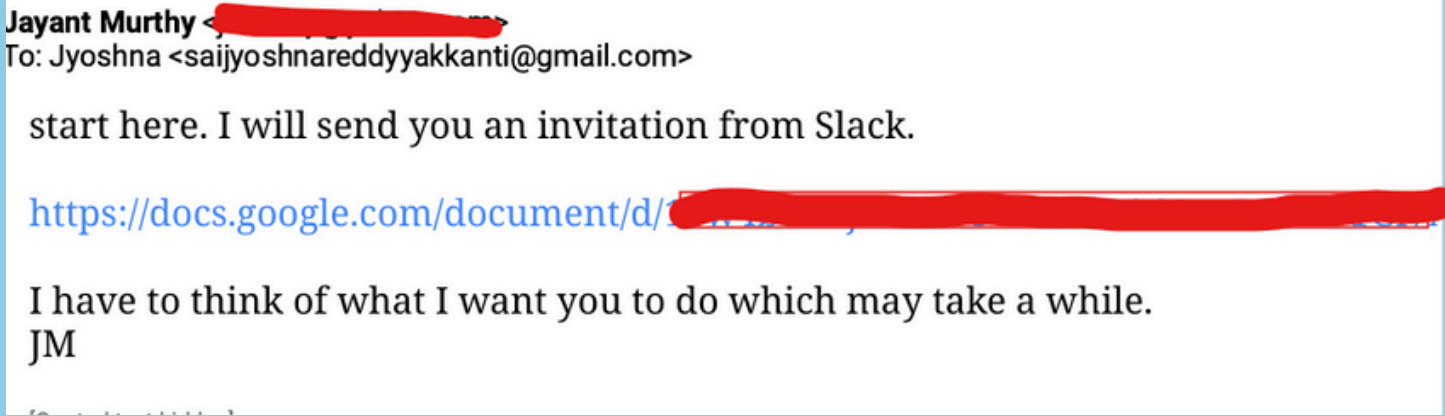
## Geoprocessing by IIRS



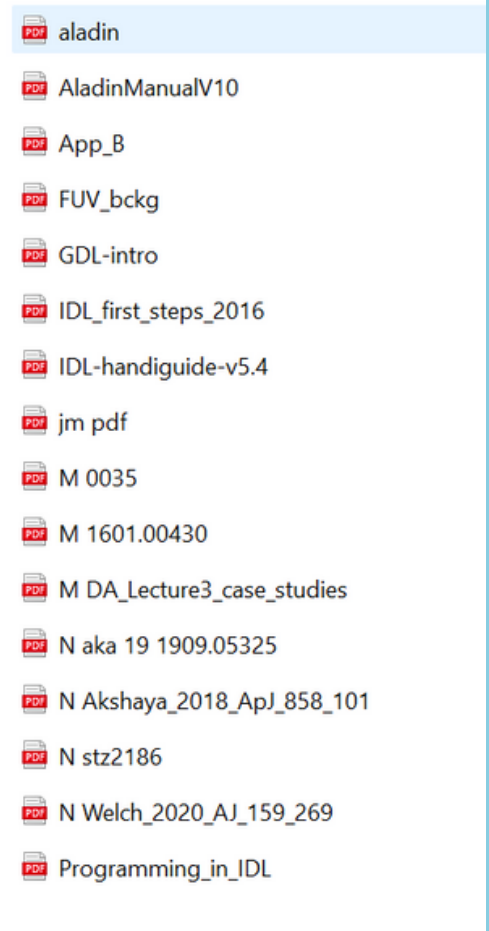
## Publication on Carbon nanospheres



## Workshop by ISRO




## FUV and NUV research with IIT using GDL





# University Offer Letters (All Russell Group )



University of Glasgow Student ID: 2830478

Name: SAI JYOSHNA Y

05 August 2022

Dear SAI JYOSHNA,

**Congratulations!** We are pleased to confirm that you have been given an Unconditional offer for MSc in Astrophysics starting 12 September 2022 at the University of Glasgow.

**Your Offer**

Application number	01082028
Programme	MSc in Astrophysics



Together we'll create your future

10 August 2022

SAI JYOSHNA YAKKANTI

#2 [REDACTED]

ne [REDACTED]

kc [REDACTED]

Ka [REDACTED]

56 [REDACTED]

In [REDACTED]


Student ID: 001066234  
Durham ID: 700008

Dear Miss. YAKKANTI,

I am delighted to inform you that your application to study at Durham University as a postgraduate student has been successful. This letter contains very important information concerning your offer; please read it carefully. You must also read the additional information relating to your offer and preparing to study at Durham University which can be found on our website at [www.durham.ac.uk/study/postgraduate/taught-degrees/before-you-arrive/offer-holders/](http://www.durham.ac.uk/study/postgraduate/taught-degrees/before-you-arrive/offer-holders/).

The summary details of your offer are as follows:

Programme	MDS Master of Data Science G5K823
Department / School	Natural Sciences
Plan Of Study	Full Time
ATAS Statement	Not Applicable



10 September 2022

Your Application Information	
Name:	Sai Jyoshna Yakkanti
Date of Birth:	04/May/2002
Application Reference:	221044456
Course Application:	MSc FT Astrophysics
Course Code:	PFQM-F551-09
Mode of Study:	Full-Time
Expected Start:	19/Sep/2022
Expected End:	18/Sep/2023
University Fees (Year 1):	£25,150
Deposit Amount:	£2000 (2000 GBP) to be paid by 19/Sep/2022
Tuition Fee Liability:	Overseas (Confirmed)

Dear Miss Yakkanti,

We are delighted to confirm that your application to study at Queen Mary University of London (QMUL) has been successful. Details of your offer are listed below. Please refer to your portal for information on how to respond.

**YOUR OFFER**  
**Unconditional Offer**

**Outstanding Conditions**  
N/A

Dear Sai Jyoshna,

Applicant number: 226139481

**Congratulations on your offer to study MSC Astrophysics here at the University of Sheffield!**

If you decide to accept your place at Sheffield, you'll be learning from some of the UK's leading astrophysicists.

Two members of our team, Professors Paul Crowther and Vik Dhillon, have shared their expertise in a number of films for the astrophysics YouTube channel Deep Sky Videos. We've collected their appearances in a playlist, so you can start exploring some of the most interesting corners of space with us right now.


**Sheffield astrophysicists on Deep Sky Videos →**







If you have any questions about your offer, don't forget, you can always get in touch.

Dr James Mullaney  
Course Director – Astrophysics MSc  
Department of Physics and Astronomy  
The University of Sheffield  
[postgradphysics-enquiry@sheffield.ac.uk](mailto:postgradphysics-enquiry@sheffield.ac.uk)

[sheffield.ac.uk/physics](http://sheffield.ac.uk/physics)  
[Science at Sheffield on YouTube](#)

**We're 1st in the UK for the quality of our physics research.**






If this email has reached you by mistake, please do not read, copy or use it or show it to anyone else, and then be kind enough to let us know. It is your responsibility to make sure this email is virus free. The University of Sheffield accepts no responsibility for any loss or damage in any way arising from its use.

**Your offer from the University of Exeter. Ref: (720088611)**


1 message

<pg-ad@exeter.ac.uk>  
To: saijyoshnareddyakkanti@gmail.com  
Cc: saijyoshnareddyakkanti@gmail.com

Wed, Jul 20, 2022 at 4:38 PM



20 July 2022



**Student Number: 720088611**

S Yakkanti  
#20, 1st Cross, Kavery Layout, Tavarekere Main Road, Near Village Hypermarket, Drc Post, Koramangala, Bangalore India 560029

20 July 2022

Dear Sai Jyoshna,


Thank you very much for your application to study at the University of Exeter.

We think you can really thrive here, and we have the staff, environment, facilities and community to offer you a warm welcome and support you academically.

We are delighted to offer you a place at the University, congratulations. Details of your offer are:

**PROGRAMME TITLE:** MSc Physics CAH3 Code: CAH07-01-01

**PROGRAMME DATES:** 26 September 2022



**Your Application to the University of Sussex - App No 216947649**

1 message

<pg.applicants@sussex.ac.uk>  
To: saijyoshnareddyakkanti@gmail.com

Tue,

Message for Sai Jyoshna Y

Applicant number: 216947649

Course: Astronomy MSC

Entry: 19-SEP-2022

Dear Sai Jyoshna,

We are pleased to inform you that your application has been successful. Congratulations on gaining a place.

You can view the offer letter online at: [www.sussex.ac.uk/study/pglogin](http://www.sussex.ac.uk/study/pglogin).

# Do you have any questions?

I welcome your inquiries about my journey and experiences in detail.

**Feel free to reach out for more information!**

Email

saijyoshnay@gmail.com

LinkedIn profile

[www.linkedin.com/in/jyoshna1](https://www.linkedin.com/in/jyoshna1)

not updated

Phone

(+44) 7405474689

