

# SYED MUSTAFA HASAN

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## EDUCATION

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### COLLIN COLLEGE

Associate of Science  
Class of 2026

Frisco, Tx, USA.

### DISTINCTIONS & AWARDS

Collin College Foundation Scholarship - Academic merit & leadership  
Honor Roll, University of North Texas.  
Design Award, IMechE PropellAIR 2023 .

Frisco, Tx, USA  
Frisco, Tx, USA  
Karachi, PK

### CAMPUS INVOLVEMENT

Co-President, Society for Propulsion, AI & Design in Engineering - Fall 2025  
President, Pakistan Student Association - Fall 2025  
Board Member, Pakistan Student Association - Spring 2025  
Student Athlete, Collin College Intramural Sports

Collin College  
Collin College  
Collin College  
Collin College

## RESEARCH INTERESTS

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Astronomy • Astrophysics • Planetary Science • Space Systems • Science Communication

## PROFESSIONAL EXPERIENCE

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### ASTRONCIA

Founder, Managing Editor, Research Scientist.

Frisco, TX, USA  
September 2024 - Present

- Oversees editorial strategy and content development for Astroncia, managing a team of writers to deliver accurate, engaging, and high-quality content.
- Developed and implemented effective strategies to enhance team performance, drive innovation, and foster a culture of excellence.

### UNIVERSITY OF NORTH TEXAS

Fitness Room Supervisor.

Frisco, TX, USA  
November 2024 - December 2024

- Responsible for supervising the UNT weight room at the Frisco Landing, answering phone calls, running errands, maintaining the ambience of the weight room.

### EVOLUTION - IP

Operations Intern - ELEXPO by RELO Pakistan at the United States Embassy Pakistan.

Karachi, PK  
February 2024 - March 2024

- Supported logistical planning and execution for ELEXPO by RELO Pakistan at the United States Embassy, coordinating operations to ensure smooth event management and stakeholder engagement."

### RAHEQAMAR PVT. LTD. (NASA Space Apps Karachi)

Managing Lead – NASA Space Apps Karachi

Karachi, PK  
July 2023 – October 2023

- Led 8 high-performing teams as Managing Lead for NASA's Space Apps program, driving collaboration and innovation to achieve exceptional results.
- Spearheaded a national effort that propelled Pakistan to a remarkable 5th place ranking out of 152 countries, demonstrating exceptional leadership and strategic vision.
- Developed and implemented effective strategies to enhance team performance, drive innovation, and foster a culture of excellence.

- Conceptualized and delivered comprehensive STEM workshops and classes to diverse student populations across multiple cities, cultivating a strong foundation in STEM literacy and promoting academic excellence.
- Developed and implemented an astrophysics education program, providing students with access to specialized knowledge and resources, and empowering them to pursue careers in astrophysics and related fields

## **BOOKS, PUBLICATIONS & CONFERENCES**

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### **BOOKS:**

Hasan, S. M. No-Nonsense Astronomy  
Independent Publication, 2025

A concise and accessible introduction to astronomy and astrophysics for general and student audiences.

### **PUBLICATIONS:**

The High Cost of Space: Rockets, and Environmental Impact. University of North Texas - ResearchGate

Characteristics and Implications of Craters on Venus. Elsevier – SSRN

Dissecting the Nature of Charge Interactions: Fascinating Behavior of Same and Opposite Charges. Elsevier – SSRN

Unlocking the Dimensionality in Physics & Universe(s). Elsevier – SSRN

### **CONFERENCES:**

Climate Solution & Satellite Data for Adaption Strategies. Habib University

Don't run for the Generation's Race - 1st International Conference on Emotional Intelligence, Happiness, and Wellbeing in Higher Education

## **PROJECTS**

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### **KILLER ASTEROIDS**

Web Model 2024

- An experimental model aligned with research done to calculate the impact created by asteroids upon contacting planets of our solar-system (AI – Generated).

### **AEROFLEX**

Flying 2023

- A 3D printed drone integrated with a camera module and remote sensing software for 3d terrain mapping.

## **CERTIFICATIONS AND TRAINING.**

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NASA OPEN SCIENCE TOPS - NASA 2024

ROBOTIC TELESCOPES 101 - NEDUET 2024

AMATEUR ASTRONOMY - UNIVERSITY OF KARACHI 2023

ENGLISH ACCESS MICROSCHOLARSHIP PROGRAM - RELO PAKISTAN 2022

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