

# Pavith Dissanayake

Student | BSc



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Sri Lanka

## About Me

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I am an enthusiastic BSc graduate in **Physics, Mathematics, and Astronomy**, with a deep curiosity for space science and a passion for grasping the universe's most fundamental mysteries. I love coding and am currently working as a data analyst, where I bring insights to life through data visualization with Power BI.

## Objective

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I am eager to pursue a research-oriented academic career in Astronomy and Astrophysics. My BSc studies in astronomy have provided thorough grounding in observational, mathematical, and planetary sciences, and I am enthusiastic about contributing to this fascinating and evolving scientific domain.

### Relevant undergraduate courses: -

- Spherical Astronomy
- Spherical Trigonometry
- Plasma Physics and Space Science
- General Astronomy
- Stellar Astronomy
- Planetary Geoscience (Elective-Department of Geology)
- Core Physics, Mathematics and Statistics Courses

Studied astronomy for 2 years and achieved a SGAP of 8.5 in astronomy.

## Education

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### Bachelor of Science in Physics and Astronomy (First Division)

2022-2025

University of Lucknow, India

- Final Year Project on "Medical Physics"
- (<https://www.lkouniv.ac.in>)

# Final year project of BSc

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My final year project focused on medical physics, specifically exploring radiotherapy fundamentals and medical imaging using X-Ray and MRI. I aimed to understand the basics of linear accelerators and their applications in the medical field. As part of the research, I visited a hospital and some medical facilities to observe X-ray and MRI operations first-hand. At the end, I prepared my project and submitted it to my department.

## Professional Certifications

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<u>Microsoft Azure AI Fundamentals</u>	Sep 2023
<u>Particle Physics: an Introduction</u>	Aug 2020
<u>Python For Beginners by University of Moratuwa ,Sri Lanka</u>	Mar-2023
<u>Saukyadana Certification   First Aid and Healthcare</u>	2015-2017

## Work Experience and Voluntarily Experience

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<b>Business Data Analyst (Intern)</b> Roel Holding (PVT) LTD, Sri Lanka.	Since Jan 2025
<b>Volunteer EMT</b> Saukyadana Movement of Sri Lanka <ul style="list-style-type: none"><li>Provide emergency medical assistance and first aid as part of community health initiatives.</li><li>(<a href="http://www.saukyadana.org">www.saukyadana.org</a>)</li></ul>	Since 2017

## Workshops and Conferences

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<b>Workshop to Establish a Flagship Space and Planetary Geoscience Research Program in Sri Lanka</b> Postgraduate Institute of Science, University of Peradeniya, with the collaboration of Louisiana State University, USA.	Jun 2023
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## Achievements & Honors

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<b>ICCR Scholarship</b> Indian Government Sponsored (Fully Funded) Scholarship Winner <ul style="list-style-type: none"><li>(<a href="http://iccr.gov.in">iccr.gov.in</a>)</li></ul>	2022-2025
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# Professional Skills

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- **Data Analytics**
- **Data Modelling & Cleaning**
- **Python**
- **Data Visualization**
- **Power BI**
- **Microsoft Azure**
- **Emergency Medical Assistance**

# Languages

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- **English** ↗ Fluent C1
- **Sinhala** ↗ Native
- **Hindi** ↗ Basic

# References

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## **Dr. Brijesh Kumar**

Professor

Department of Physics and Astrophysics, University of Delhi. India

- kumar0111@gmail.com

## **Dr. Manoj Kumar Sharma**

Professor

Department of Physics, University of Lucknow. India

- manojamu76@gmail.com
- 919837382558

## **Dr. N V C Shukla**

Associate Professor

Department of Mathematics and Astronomy, University of Lucknow. India

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- 919450639931

## **Dr. R P Singh**

Professor

Director International Cell, University of Lucknow. India

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## **Mr. Kasun Sachintha**

MSc Scholar in Medical Physics

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