

Pavith Dissanayake



Student | BSc
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About Me

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

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

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

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

<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

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

Workshops and Conferences

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

ICCR Scholarship Indian Government Sponsored (Fully Funded) Scholarship Winner <ul style="list-style-type: none">• (iccr.gov.in)	2022-2025
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Professional Skills

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

Languages

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

References

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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