



Abhilash Biswas

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About Me

Passionate Masters student majoring in Physics with a profound interest in Astronomy and Astrophysics. Dedicated to exploring the mysteries of the universe through coursework and research. Eager to contribute to scientific advancement and pursue hands-on projects in these fields, aiming to deepen understanding and push boundaries in pursuit of knowledge.

Education

Masters of Science (Physics) **2024 - Present**

Pondicherry University, Union Territory of Puducherry

Semester I SGPA: 8.83, CGPA: 8.83

Bachelors of Science (Physics) **2021 - 2024**

Tezpur University, Napaam, Tezpur, Assam

Semester I SGPA: 8.40, CGPA: 8.40

Semester II SGPA: 7.54, CGPA: 7.84

Semester III SGPA: 7.84, CGPA: 7.84

Semester IV SGPA: 8.08, CGPA: 7.91

Semester V SGPA: 7.64, CGPA: 7.85

Semester VI SGPA: 8.45, CGPA: 7.95

10+2 (AISSCE under CBSE) **2019 - 2021**

Delhi Public School, Dhaligaon, BGR Township, Chirang, Assam

Percentage: 94

10th (Matriculation under SEBA) **2019**

Bongaigaon Higher Secondary School English Medium, Bongaigaon, Assam

Percentage: 92.6

Projects Undertaken

Dust Continuum Radiative Transfer Model at Near Infrared Wavelengths for the Core-shine Clouds Using RADMC3D Package;

Under the guidance of **Dr. Rupjyoti Gogoi**, Assistant Professor, Tezpur University and **Dr. Shalima Puthiyaveetti**, Assistant Professor, Manipal Center for Natural Sciences

Experience

Co-Convenor, Tezpur University Astronomy Club 2023-24

Handling Optical Ground-based Telescope

Sky observation

Astrophotography(Basic)

Workshops

Workshop on Probing Stars and Galaxies using Innovative Data Science Tools

4-6 September 2024

- Conducted by Department of Applied Sciences, Guwahati University

Five Day National School on Fundamentals of Space Radiation

16-20 September 2024

- Organized by Manipal Center for Natural Sciences, MAHE (Supported by SPARC III Program of Ministry of Education, Govt. of India)

Aditya L1 SUIT: Science and Data Analysis Workshop

6-7 March, 2024

- Organized by Tezpur University in collaboration with IUCAA

Artificial Intelligence Machine Learning

6-10 November 2023

- Conducted by Edu Fabrica, organized by Tezpur University

Meet the IAU Astronomers

22 April 2023

- Organized by Tezpur University

Workshop on Recent Progress in Astrophysics

17 November 2022

- Organized by Amity University, Noida

Astrophotography Workshop

22 February 2023

- Conducted by Tezpur University in collaboration with Pragjyotish Astronomers Association and Vigyan Prasara, New Delhi

Skills

Programming Languages: Python, C++

Tools and Technologies: LaTeX, Graphic Design (Canva), Photometry (Introductory)

Languages Known

English(Working Proficiency) Hindi Bengali Assamese

Research Interests

Interstellar Medium, Star Formation, Solar Physics, Neutrino Physics, Particle Physics, Radio Astronomy, Astronomical Instrumentation