

Pritipriya Dasbehera

Bhubaneswar, India

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Education

National Institute of Science Education and Research

Bhubaneswar, India

Integrated Masters in Physical Science

October 2021 - Present

- Minor in Computer Sciences
- Current GPA: 9.39

Relevant Coursework:

Classical Physics, Mathematical methods, Quantum Mechanics, Statistical Physics, Special Relativity, Graph Theory and Algorithm Design, Electronics and Optics lab

Kendriya Vidyalaya Balasore

Odisha, India

Middle and High School

August 2011 - May 2021

- CBSE board class 12th - 96.8 %
- CBSE board class 10th - 98 %

Work Experience

Inter-University Acceleration Centre

New Delhi, India

Summer internship | Accelerator Physics

June 2023 - July 2023

- Under the supervision of Dr. Rajesh Vikram Hariwal
- Investigations on Metamaterials for Beam Diagnostics Application

National Institute of Science Education and Research

Bhubaneswar, India

Summer internship | Computational Astronomy

May 2022 - July 2022

- Under the supervision of Dr. Nishikanta Khandai
- Study and implement brute force and Nearest Grid Point algorithm to find the Nearest Neighbours under Periodic Boundary Conditions and compare their time complexities.

Intershala course

Online | Bhubaneswar, India

Machine Learning Course

March 2022 - April 2022

- **Topics covered:** Linear and Logistic Regression, Decision Tree, Ensemble model and Clustering
- Certificate

Projects

Quantum Neural Network

Bhubaneswar

NISER

Aug 2023 - Oct 2023

- Building a Image classifier algorithm with classic Convolutional Neural Network and a linear quantum layer
- Implementation of forward and backward pass on a quantum layer

Skills

Programming Python(Pandas, Tensorflow, PyTorch, NumPy, Scipy) Rust, C, C++

Miscellaneous \LaTeX , Linux CLI

Soft Skills Critical thinking, Adaptability, Teamwork, Openness to criticism

Highlights

2023 **President**, Robotech Club NISER

India

2021 **Inspire Scholar**, Department of Science and Technology

India

Interests

Robotics I am interested in bringing textbook physics and programming to life through robotics as a co-curricular activity

Stargazing I occasionally find myself strolling alone enjoying the night sky.

Reading I have always loved reading mostly detective and mystery light novels.