

Dadhichi Das

Integrated M.Sc. (3rd Year, V Semester)

School of Physical Sciences

National Institute of Science Education and Research

EDUCATION

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[Link of My Portfolio Website](#)

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Int. M.Sc.(pursuing)	National Institute of Science Education and Research	7.70 (Current)	2023-Present
Senior Secondary	The Air Force School, CBSE Board	94.2%	2023
Secondary	The Air Force School, CBSE Board	94.4%	2021

PROJECTS

- **Application of Warner States on Quantum Switches** May 2025 - Present
Summer Internship in Department of Mathematics, Birla Institute of Technology
 - Learnt about Entanglement Swapping in Quantum Switch.
 - Learnt about Warner States.
 - Simulated Quantum Networks on NetSquid Simulator.
 - Currently applying Warner States on Quantum Switch and cheking its effect on Quatum Network.
- **Elemental Analysis of Lunar Surface** June 2024 - September 2025
Summer Internship in School of Earth and Planetary Sciences, NISER
 - Learnt about Radiation, Detection and Measurement and Gamma Ray Spectroscopy (GRS).
 - Learnt about the mission Lunar Prospector launched by NASA.
 - Learnt analysis of GRS plots using computation.
 - Derived maps of radioactive elements on lunar surface.

SKILLS

- **Programming:** Python, Web Development using HTML and CSS, [Web Development of Vikiran Physics Club](#)
- **Software:** 3D modelling in OnShape
- **Telescope Handling:** Can use 6 -inch Reflecting Newtonian Telescope, SkyWatcher Quattro 200P 8-inch Reflecting Newtonian Telescope and Celestron 11-inch Schmidt-Cassegrain Hybrid telescope
- **Robotics and Engineering:** Can do programming in Arduino and use Basic sensors, [Robo Soccer Robot](#), [Line Follower Robot](#), [Roborace Robot](#), Proposal for Drone selected for ISRO Robotics Challenge (IRoC-U 2025)
- **Quantum Computing:** Experience in Qiskit, PennyLane and NetSquid and have acquired certificates of QBronze from QWorld, WISER-Womanuim 2025 Programme Module 2 : Certificate in Quantum Algorithms and Module 5 : Certificate in Quantum Algorithms for Nonlinear Differential Equations and PennyLane's certificate for completing PennyLane Introduction to LCU's Challenge.

ACHIEVEMENTS

- **DISHA Scholarship:**
 - Recipient prestigious scholarship from Department of Atomic Energy, India
- **Senior Secondary Board Examination:**
 - Topped in Physics and Mathematics in school
- **Olympiads:**
 - Achieved 1 rank in school in National Astronomy Challenge
 - Received gold medal of excellence in IMO
 - Achived bronze medal in IEO and NSO
 - Ranked 1 in science in school in SilverZone Olympiad
- **Talks and Seminars:**
 - Secured 1st position in presenting my work in National Symposium on Mathematical Innovations for Industrial Advancement (NSMIIA) in MATRIX competition organised by BIT.
 - Secured 1st Prize in explanation of how drug's tackle corona virus presentation in competition Chem-O-Motion organized by Bal Bharti Public School
 - Gave internship talk in Vikiran Club on my Summer Internship in 2024

POPSITION OF RESPONSIBILITY

- **RoboTech Club:** President of the club, Leading Skill Development Programme and Drone Project
- **Vikiran Physics Club:** Treasurer of the club and Web Development head of the club
- **Stereo Hearts:** Member of the Core Committee
- **Drama and Music Club:** Music Head of the Club

EXTRACURRICULAR

Piano: Trinity College London (Piano examination) distinction till grade 6, pianist in band Stereo Hearts, Sheet music composing on MuseScore, Music composing on FL Studios
Football: Was captain of Shastriya Football Club and participated in the inter-batch tournament
Acting: Second in IICM 2024 and first in IIIT BBSR fest Advaita 2025
Painting: Completed till 3rd year from Prayag Sangeet Samiti