

DIPANJALI RAY

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Pin: 711104, West Bengal, India

OBJECTIVE

Motivated Biotechnology undergraduate with strong academic performance and international research exposure in proteomics, neuroimaging, and molecular biology. Skilled in laboratory techniques, scientific writing, and event leadership, with proven achievements in poster presentations and publications. Seeking opportunities to apply research expertise and innovative problem-solving in biotechnology, healthcare, or life sciences research.

EDUCATION

Heritage Institute of Technology, Kolkata

Bachelor of Technology – Biotechnology; GPA – 9.61/10

Kolkata, India

September 2022 – June 2026

Tarasundari Balika Vidyabhaban

Higher Secondary; WBCHSE – 90.8%

Howrah, India

Bantra Tarasundari Balika Vidyabhaban

Secondary; WBBSE – 92.71%

Howrah, India

January 2015 – March 2020

PROJECTS

Summer Training Programme – CSIR-CCMB, Hyderabad, India, 2025

- Two Months Summer Training Internship at CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad – 5th June 2025 to 5th August 2025
- Topic: Understanding Protein Protein Interaction using Mass Spectrometry – under Dr. Suman S Thakur – Proteomics and Cell Signalling Laboratory

Summer Research Student Exchange Program at NJIT, USA, 2024

- Student exchange program between Heritage Institute of Technology & New Jersey Institute of Technology – 6-week Program during summer 2024 – 17th June 2024 to 27th July 2024
- Topic: Functional Connectivity of Brain using fMRI – under Prof. Bharat Biswal & Dr. Sukesh Das

SEMINARS/ WORKSHOPS

One Day International Conference: Molecular Insights into Cancer and Autoimmune Disorders – Jointly Organized by Department of Microbiology and Zoology of Ramakrishna Mission Vidyamandira, Belur Math, Howrah, West Bengal, India

- Poster Presentation on Reprogramming Cancer – A Paradigm Shift to Therapeutic Strategy
- Under Prof. Nandan Kumar Jana

ICAMB – International Conference on Advancements of Medical Biotechnology – organized by Heritage Institute of Technology, Kolkata – 20th January to 22nd January 2025.

- Organising Committee Member
- Volunteer

Innovation Poster by IIC-HITK - 27th Feb 2024 - Finalists

- Topic: Refsum Disease by Gene Therapy – Under Prof. Nandan Kumar Jana, Heritage Institute of Technology, Kolkata

One Day Seminar on Earth Observation Data Analysis- Indian Statistical Institute -26th April 2023

SKILLS

Programming & Scripting Languages: R, C, Perl, MATLAB

During Projects: Molecular Docking (CSIR-CCMB '25), Bioinformatics (Internship under Institute of Innovation, Tiruvannamalai), SPM-Statistical Parametric Mapping (NJIT '24)

Soft Skills: Leadership & Event Management

ACTIVITIES

Actively involved at Pravasana – Photography, Painting, Videography club of Heritage Institute of Technology, Kolkata

Core member of Heritage Biotech Society – Joint Secretary

Actively involved at Heritage News Club – Student Coordinator

ACHIEVEMENTS

ANUJEEVAN – National Symposium

Organized by Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College

- 2nd Prize in Best Poster Award for UG&PG Category in Poster Presentation Session
- Topic: Hepatitis E – Pioneering Therapeutic Frontiers for the Forgotten Epidemic

ICAMB – International Conference on Advancements of Medical Biotechnology

(Organized by Heritage Institute of Technology) – 2nd Prize in Best Poster Award in Poster Presentation session

HULT PRIZE Unlimited 2024 (On Campus) – Finalists for Business pitch on Biodegradable pads 17th Feb 2024

Robotics on Healthcare - 29th March 2023 – Finalists- Certificate of Recognition for the most commendable performance

PUBLICATIONS

Functional Connectivity of Brain Using fMRI : Book Of Abstracts, 2024 URI Summer Research & Innovation symposium, New Jersey Institute of Technology, Newark, NJ, USA – July 26, 2024.

Wnt Signalling and Its Effects in Human – What, How, Where? A Comprehensive Review: YMER Journal || ISSN : 0044-0477 – Volume 24 : ISSUE 06 (June) 2025 – Page No.: 1767-1792; DOI: 10.37896/YMER24.06/F4

OTHER COURSES

Biostatistics and R - A two months online course under Heritage Institute of Technology, Kolkata – February 2025 to April 2025

Bioreactor Design and Analysis, NPTEL - A two months online course by IIT Madras – January 2025 to March 2025

Bioinformatics – A one month online Internship under Institute of Innovation, Tiruvannamalai - 2024

Agricultural Waste Management – A one month online course under Heritage Institute of Technology, Kolkata - 2024

Introduction to Cell Biology – A two months online course under Heritage Institute of Technology, Kolkata – 2023

LANGUAGES SPOKEN

English, Hindi, Bengali