

Sayak Ghosh

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West Bengal, India

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. ABOUT ME

I am driven, innovative, and versatile with good analytical and creative skills. Dedicated to the group and thorough. I work really hard at what I do. I work really hard and pick things up quickly. I'm interested in waste management, renewable energy, plant tissue culture, and animal cell culture.

. EDUCATION

- . 2020 - Ongoing** **Bachelor of Technology in Biotechnology** at Haldia Institute of Technology (HIT) (autonomous) Univ: Maulana Abul Kalam Azad University of Technology (MAKAUT) CGPA (up to 6th sem): 9.74
- . 2018 - 2020** **Higher Secondary (10th+2)** at Sekenderpur Rai K.P. Pal Bahadur High (H.S) School under the Board of West Bengal Council of Higher Secondary Education Percentage: 88.60%
- . 2012 - 2018** **Secondary (10th)** at Sekenderpur Rai K.P. Pal Bahadur High (H.S) School under the Board of West Bengal Board of Secondary Education Percentage: 92.80%

. COURSES

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|---------------|--|-----------------|-----------------|
| . 2023 | Animal Physiology | NPTEL | 12 weeks |
| . 2023 | Wildlife Ecology | NPTEL | 12 weeks |
| . 2023 | Basics of Biology by Indian Institute of Technology Guwahati | NPTEL | 12 weeks |
| . 2022 | The science of Stem Cells by American Museum of Natural History Howard Hughes Medical Institute | COURSERA | 5 weeks |
| . 2022 | Tissue Engineering by Indian Institute of Technology Madras | NPTEL | 8 weeks |
| . 2022 | Cell Culture Technologies by Indian Institute of Technology Kanpur | NPTEL | 8 weeks |
| . 2022 | Nanotechnology In Agriculture by Indian Institute of Technology Kanpur | NPTEL | 8 weeks |
| . 2022 | Introduction to the Biology of Cancer by Jhon Hopkins University | COURSERA | 4 weeks |
| . 2022 | Bioengineering An Interface with Biology and Medicine by Indian Institute of Technology Bombay | NPTEL | 12 weeks |

- **2021** Introduction to Philosophy by The University of Edinburgh COURSERA 5 weeks
- **2021** Enhancing Soft Skills and Personalities by Indian Institute of Technology Kanpur NPTEL 8 weeks

• TRAINING AND WORKSHOPS

- **2023** Emami Agrotech Limited Company Visit Haldia
- **2022** GN Ramachandran Lecture Series IIT Kharagpur
- **2022** National level Awareness Program Ministry of MSME, Udhayog Bhawan, new Delhi
- **2022** Management Education on corporate success School of Management and Social Science, Haldia institute of technology
- **2022** Introduction to Bioinformatics course Omicslogic
- **2022** One-week international students' seminar and model presentation on 'Stepping down from research to the world of reality: An outcome based approach' Department of Biotechnology, Haldia institute of technology
- **2022** BIOINFORMATICS: from Basic to Advance Department of Botany and Computer Science, Prabhat Kumar College, Contai Department of Biotechnology, Haldia institute of technology
- **2021** National IP Awareness Mission Intellectual Property office, India
- **2021** Global Awareness Workshop NiiT, India
- **2021** Intellectual Property Rights and Entrepreneurship Haldia Institute of Technology

• PROJECTS AND INTERNSHIPS

- **2022** [Project] Mutagenic effect of Petroleum sludge on Plant : how it effects on plant cell division and growth Haldia Institute of Technology Haldia, West Bengal
- **2023** [Internship] Microplastics and the alarming impact of it on the reproduction system of Fish (*Danio rerio*) Presidency University Kolkata, West Bengal
- **2024** [Ongoing Project] Evaluation of anti-cancer, anti-microbial and anti-oxidant activity of ethanolic root peel extract of *Potentilla fulgens* (Ongoing) Haldia Institute of Technology Haldia, West Bengal

• SKILLS

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|------------------------------|--|--|
| • Programing Language | 1. C (Basic)
2. SQL (Basic) | • Laboratory Skills |
| • Computer Skills | 1. MS Word
2. MS Excel
3. MS Power Point
4. Canva
5. Google Docs
6. Lightroom
7. Photoshop
8. Video Editing | 1. PCR
2. Histology
3. ELISA
4. Tissue Culture
5. Animal Cell Culture
6. Toxicology |

- **Languages Known** 1.Bengali
2.English
3.Hindi

• **OTHER EDUCATIONAL ACTIVITIES**

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|-----------------------------|---|------|
| • Seminar Attendance | 1.New Horizons In Biotechnology (NHBT) | 2023 |
| | 2.Green tech , Haldia Institute of Technology | 2022 |
| | 3.Emerging trends & application of green technologies for sustainable development | 2022 |
| | 4.Recent Advances in Chemistry & Material Science (RACM) | 2021 |
| | 5.New Horizons In Biotechnology (NHBT) | 2021 |
| | 6.Sorrow - Depression - Joy ,MAKAUT | 2021 |

• **OTHER EDUCATIONAL ACTIVITIES**

- | | | |
|------------------------------|---|------|
| • Poster Presentation | 1.Bio Diesel Production from Algae : A way to better future [NHBT'23] | 2023 |
| | 2.Microbial Degradation of Plastic Material: A sustainable approach to clean Environment [Green Tech] | 2022 |
| | 3.CRISPR [NHBT'21] | 2021 |
| • Publication | 1.Review on Algae Biodiesel Production - A strategy to enhance future | 2023 |

• **EXTRA CURRICULAR ACTIVITY AND AWARDS**

- 1.NPTEL STAR - Motivated Learner , 2023
- 2.Teacher at Samarpan: Ek soch Ek Biswas, an NGO of HIT
- 3.Achieved 1st position in Wildlife Photography Competition 2022 , Haldia Institute of Technology
- 4.Photographer at The HIT Times, a campus tabloid of Haldia Institute of technology (HIT).
- 5.Media Head at Microbiologist Society India HIT student Chapter.
- 6.Photographer at Photography Club of HIT
- 7.Won Best Vision Award In An Photography Exhibition, Kolkata
8. Secured 2nd spot in a sketch drawing competition, HIT Haldia
- 9.Participated at QUIZ-o-Philia, IEEE HIT SB

• **STRENGTH**

- 1.Leadership
- 2.Time Management
- 3.Team Work
- 4.Management
- 5.Easy Learner
- 6.Hard Working

• **HOBBIES**

1. Photography,
2. Reading Books,
3. Cooking,
4. Researching,
5. Mythology,
6. Travelling