

Adrika Chaudhuri

2ND YEAR UNDERGRAD · IISER KOLKATA

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EDUCATION

IISER Kolkata

BS-MS DUAL DEGREE

Cumulative GPA: **8.33** / 10.00

Oct. 2022 -

South Point High School

AISSE, AISSCE

Cumulative GPA: **10.00** / 10.00

• June. 2022

EXPERIENCE

iGEM IISER Kolkata, 2023

BIOMODELLER, HUMAN PRACTICES MEMBER

2nd Year

May. 2023 - Nov. 2023

We worked on developing an eco-friendly biocontrol agent to mitigate losses caused by the harmful bacterial pathogen, *Xanthomonas oryzae*, using outer membrane vesicles of *E. coli* to deliver CRISPR antibodies. We also developed a detection kit for the detection of bacterial blight of rice, our target disease, and won a gold medal at the iGEM grand Jamboree in Paris for our project. I am well-versed in various lab techniques like ultracentrifugation, PCR, plasmid isolation, primer designing, and other lab skills. I am also experienced in modelling biological systems.

SCHOLARSHIPS

Kishore Vaigyanik Protsahan Yojana (KVPY-SX)

GOVT. OF INDIA.

2022

July 2022

SKILLS

Program Language Python

Wetlab PCR, Confocal Microscopy, FACS, Plasmid Isolation

Languages English, German(A1), Bengali

WebDev Github