DEBANJAN SINHA MAHAPATRA

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📍 SIMLAPAL,BANKURA,WEST BENGAL, PIN-722151

Profile

I am a first-year BS-MS student at IISER KOLKATA. I love science, problem-solving, and out-of-the-box thinking. I also like to work with different programming languages and software in my spare time. I am interested in physics and chemistry and their intersection. My goal in future is to pursue research in physical or analytical chemistry.

Projects

Reading Project on Quantum Mechanics and Quantum Computation

Under Sangita Sen , Department of Chemical Sciences, IISER KOLKATA

Education

2022 – present   **BS-MS DUAL DEGREE PROGRAMME,** INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

CGPA 9.48(SGPA 9.45 1st sem, 9.52 2nd sem)

2022   **PASSED HIGHER SECONDARY EXAM(12 TH BOARD),** BIKRAMPUR R.D HIGH SCHOOL(WBCHSE BOARD)

GRADE-AA(95%)[Physics,Chemistry,Mathematics,Biology]

2020   **PASSED SECONDARY(10)TH BOARD EXAM(WBBSE BOARD)**

GRADE-AA(97.5%)

Courses

Programming for a purpose(Coursera), Princeton University

Algorithoms Part I(Coursera), Princeton University

MATLAB ONRAMP, MATHWORKS

Geoprocessing using Python, ISRO

Introductory Space Science, ISRO

Awards

2023   **DST INSPIRE SCHOLAR**

Department of Science and Technology ,Govt of India

2022   **CERTIFIED BY IISC,** INDIAN INSTITUTE OF SCIENCE

For selection in extended list in KVPY SX exam (ALL INDIA RANK 2161)

SCHOLASTIC ACHIEVEMENTS

Qualified JEE MAINS, JEE ADVANCED, NEET EXAM

Qualified NTSE stage 1 examination (STATE RANK - 89)

Secured 11 TH place in the West Bengal in the 10 th board exam

Won medals in Science Math and English olympiad in School

Skills

Computar Programming
Python, basic C++,Java and HTML, basic MATLAB

Creative Writing
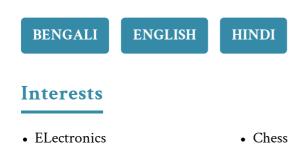Writing essays, articles on common topics

Teaching

Gaussview

Softwares
LATEX,Microsoft word,excel PowerPoint,Gnuplot,Gaussian

Public Speaking
Debate, Extempore Speech

Quiskit (quantum computation)

Languages

BENGALI   **ENGLISH**   **HINDI**

Interests

- ELectronics
- Playing Music
- Chess
- Scientific computation
- Solving physics and mathematics problem books
- quantum computing

EXTRACURRICULAR ACTIVITY

Participated and won in quiz, debate and extempore speech competitions in both block and district level

Represented school in District level youth Parliament Quiz and Extempore section

Participated and won in different college events(2nd runner ups in CSI)

Worked as volunteer in Inquivesta

Volunteered in Ek Pehal venture for spreading awareness about science in surrounding areas

Participated and won in different essay writing and recitation events in School