Snehankur Mondal

✉ snehankur.mondal02@gmail.com   in snehankur-mondal   ⌗ tobeadded

🎓 Academic Background

Master of Science (M.Sc.) – Physics   *2024 – 2026 (Expected)*
University Of Calcutta

Bachelor of Science (B.Sc.) (Honours) – Physics   *2021 – 2024*
University of Calcutta
CGPA: 7.695   —   **Core Physics CGPA: 7.9**
College Rank: 2nd

🏫 School Education

ISC (Class XII) — Science Stream   2020
**Percentage: 91.2%**   —   Board: ISC

ICSE (Class X)   2018
Percentage: 92.4%   —   Board: ICSE

⚙ Core Strengths

- ✔ Strong theoretical foundation in Physics with analytical problem-solving

- ✔ Advanced coursework in Quantum Mechanics, Electromagnetic Theory, Statistical Mechanics

- ✔ High proficiency in numerical methods and scientific computation

💻 Technical Skills

Programming Languages:
🐍 Python (Advanced)   C C / C++   ☕ Java

Scientific Computing & Libraries:
NumPy • SciPy • Matplotlib • MATLAB

Domains:
Scientific Computing • Numerical Methods • Data Analysis • Computational Physics • Basic Web Development

🛠 Tools & Platforms

- </> Visual Studio Code (Primary IDE)

- ⊞ Windows   🐧 Linux   🍎 macOS

- LaTeX for academic documentation

- ⊞ Microsoft Excel / Google Sheets for numerical analysis

⚗ Academic & Practical Experience

- Designed Python-based tools for physics laboratory data analysis

- Automated numerical calculations for experiments using reusable scripts

- Emphasis on clean, documented, and user-friendly scientific code

👨‍🏫 Teaching Experience

- Taught Physics and Mathematics to Class XI and XII students

- Focused on conceptual understanding and examination strategy

🖇 Projects

- Numerical methods implementations (Euler, RK methods, root-finding, integration)
- Collaborative marine-science data analysis tool (Python-based)
- Personal portfolio website (under development)

🏆 Achievements & Representation

- Represented college at Open Science Day, IISc Kolkata
- 3RD Prize — Ramakrishna Mission Inter-College Quiz
- 2ND Prize— BARC National-Level Quiz Competition

👥 Leadership & Responsibilities

- Core organizer of college fest and university departmental events
- Responsible for coordination, logistics, and execution

✹ Additional Training

- English Proficiency Course
- Computational Basics Course (College Department)

💬 Communication & Outreach

- Academic presentations at college and university level
- Participation in Model United Nations

🔤 Languages

English (Highly Proficient) • Bengali (Proficient) • Hindi (Working Proficiency)

🎵 Interests

Music and guitar performance, academic quizzes, science outreach