

TANMAY PANDEY

19th February 2003 | IISER Mohali | (+91)7007666808 | ms22113@iisermohali.ac.in | iamtanmaypandey.github.io

2nd year BS-MS student at IISER Mohali, Aspiring Computational Biophysicist.

EDUCATION

- Bachelor of Science and Master of Science**
Indian Institute of Science Education and Research, Mohali
Batch of 2027
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COURSES

BIO101	Cellular basis of life	BIO102	Gene expression and development	BIO201	Genetics and evolution
CHM101	Basic Chemistry	CHM102	Quantum Chemistry	CHM201	Spectroscopy
IDC101	Python and Bash	IDC102	Hands-on electronics	IDC202	Chemical Biology
MTH101	Group theory	MTH102	Analysis in one variable	MTH201	Curves and surfaces
PHY101	Mechanics	PHY102	Electromagnetism	PHY201	Waves and optics

OTHER COURSES:

- R Programming Language**
John Hopkins University
Coursera | [Certificate](#)
 - Programming for Everybody (Getting started with Python)**
University of Michigan
Coursera | [Certificate](#)
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EXPERIENCE

- Soft Matter Biophysics Lab, IISER Mohali**
Supervisor – Dr. Tripta Bhatia, June 2023 – August 2023
“During my summer internship in the SMBL lab, I worked on developing the method for analyzing the data of Micropipette Aspiration of Giant Unilamellar Vesicles. We also worked on analyzing the images from confocal microscopy data.”

OTHER EXPERIENCES:

- Freelance Web developer**
2018-2023,
Helping out small businesses to set up their web presence and e-inventory.
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SKILLS

- **Coding**

Python	NumPy	OpenCV	Pandas	SkImage	SciPy	Matplotlib
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- **Software**

Excel	Latex
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- **Languages**

English	Hindi	Bhojpuri
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PROJECTS

- **Micropipette Aspiration Data Analysis GUI Script**

Supervisor: Dr. Tripta Bhatia.

Summer 2023, IISER Mohali.

[Documentation](#)

[GitHub Repo](#)

- **Confocal Microscopy Image Analysis**

Supervisor: Dr. Tripta Bhatia

Summer 2023, IISER Mohali

ACHIEVEMENTS AND RECOGNITIONS

- **Special Recognition**, Naval's Group of Schools, Gorakhpur.
- **News article**, [Amar Ujala](#).
- **Techgenesis'18**: Runner Up, Web-Design competition
- **Techgenesis'17**: Runner Up, Web-Design competition
- **Techgenesis'16**: Winner, Web-Design competition

EXTRA-CIRRICULAR

- **Volunteer in Organizing Team** for Insomnia 2023, the annual fest of IISER Mohali.
 - **Demonstration** of Live Object Detection and segmentation in Foundation Day of IISER Mohali, 2023.
 - **Active member** of Robotics Club IISER Mohali.
 - **Freelanced** for Duuet (website development).
 - **Part of Tech team** for Student Run Mess, IISER Mohali.
 - **Web Developer** at [SciAstra](#)
 - **Physics Mentor** at [SciAstra](#)
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