

# Sejal Shivarkar

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## EDUCATION

### Doctor of Philosophy (2024 - )

(Pucadyil Lab

Biology, IISER Pune

### Masters in Biotechnology and Bioinformatics

(2022 - 2024)

Institute of Bioinformatics and Applied Biotechnology

### Bachelors in Biotechnology (2019 - 2022)

9.41/10 CGPA

Fergusson College (Autonomous) Pune

### Class XII (MSBSHSE) (2018 - 2019)

88.31%

Sadhana Vidyalaya & R. R. Shinde Jr. College

### Class X (MSBSHSE) (2017 - 2018)

94.40%

Sinhgad City School

## ACHIEVEMENTS

### Joint CSIR-UGC NET June 2023

Life Sciences - Rank 190

### GAT-B 2022

Biotechnology - Rank 60

## SKILLS

- Shell Scripting and R
- Structural bioinformatics
- Phylogenetic & evolutionary analysis
- Genomics & transcriptomics based analysis

Biotechnology and Bioinformatics graduate, I am interested in understanding the functionality of diverse proteins.

I also have a strong understanding of bioinformatics concepts & their practical applications, which is well suited to the rapidly evolving spheres of high throughput research

## INTERNSHIPS

### Functional Omics & Data Analysis

(2023)

IBAB, Bengaluru

Project based discussion on data collection and selection of appropriate tools for analysis

### Summer Internship in Nanotechnology

(2022)

Level - I

Abasaheb Garware College, Pune

Poster - Adenovirus - Living Nanoparticles

## EXPERIENCE

### Masters Dissertation Project

(2024)

### Synthetic Biology Group, IBAB

Biochemical and computational studies of Dengue virus NS2B-NS3 Protease and NS5 Methyltransferase for antiviral therapy

Under the guidance of Prof. S Thiyagarajan and Dr. Sanjay Ghosh

## EXTRA CURRICULAR ACTIVITIES

### Interviewer

(2022)

GYAN SETU one-month Internship at Jnana Prabodhini