

Sreedev M

Physics Master's Student

• Research Experience

- now • **Master's Thesis** @IISER Pune - M S Santhanam Group Student
Building reservoir computing pipelines for time-series forecasting and classification, with Quantum Walks as the reservoir; quantifying the quantum advantage of the pipeline.
- June 2025 •
- Summer 2024 • **Intern** @IIT Bombay – Monsoon Dynamics Group
Identifying wind and radiation regimes for the Indian region by employing clustering algorithms on ERA-5 hourly levels for winds and radiations.
- Summer 2023 • **Intern** @IISER Pune – Narlikar Lab
Identified the binding sites of a transcription factor called GATA3 and analyzed the genes activated, employing a custom statistical analysis pipeline called cisDIVERSITY.

• Educational Background

- now • **BSMS Physics** IISER Mohali
◦ Minor in Data Science
◦ CPI **9.44**
- 2021 • **Class XII** Vivekodayam Boys, Thrissur
2019 • Graduated with 100% score.
- 2019 • **Class X** Don Bosco, Thrissur
◦ Graduated with Full A+s.

• Technical Skills

Python	numpy,scipy,matplotlib,scikit,pandas,xarray,dask,torch, tensorflow
Qiskit	running quantum circuits on IBM Hardware
Git	version control and collaboration
LaTeX , Typst	scientific typesetting
Jekyll	static website development

Contact

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• Awards

- **CNR Rao Academic Excellence Award**, IISER Mohali
- **INSPIRE Scholar**, DST India

• Certifications

NPTEL

- Deep Learning
- Quantum Algorithms and Qiskit