

Sreedev M

Physics Master's Student

- Research Experience

now	<ul style="list-style-type: none">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	<ul style="list-style-type: none">
Summer 2024	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">BSMS Physics IISER Mohali
	<ul style="list-style-type: none">Minor in Data Science
2021	<ul style="list-style-type: none">CPI 9.44
2021	<ul style="list-style-type: none">Class XII Vivekodayam Boys, Thrissur
2019	<ul style="list-style-type: none">Graduated with 100% score.
2019	<ul style="list-style-type: none">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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sreedevmelemadom

- Awards

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

- Certifications

NPTEL

- Deep Learning
- Quantum Algorithms and Qiskit