

# Pushkar Mohile

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I am a doctoral student in Physics under Prof. Paul Goldbart at Stony Brook University.

My research interests revolve around Condensed Matter Theory, Statistical Mechanics, and Mathematical Physics.

## education

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Ongoing	Ph.D. Physics Stony Brook University
2022-2023	MA Physics Stony Brook University GPA : 3.91/4
2018-2022	B.Tech (Hons.) Engineering Physics Indian Institute of Technology, Bombay CPI : 9.78/10 Thesis: Resurgence Theory, Thermodynamic Bethe Ansatz and Integrability Advisor: Prof. P Ramadevi

## publications and preprints

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### Spectral Solutions for the Schrödinger Equation with a Regular Singularity

Under Review

Pushkar Mohile, Ayaz Ahmed, T.R.Vishnu, Pichai Ramadevi

Preprint: [arXiv:2309.00026](https://arxiv.org/abs/2309.00026)

## academic achievements

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2023	Passed the Comprehensive Exams at Stony Brook University with Distinction.
2022	Awarded an Inlaks Scholarship for MA physics at Stony Brook University from the Inlaks Shivdasani foundation.
2019-2021	Institute Academic Award, IITB: Given to the top two academic performers in the department every year.

## extracurricular activities

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- ✂ Semifinalist, Asian British Parliamentary (ABP) Debate Championship, 2020.
- ✂ Quarter finalist, United Asian Debate Championship (UADC), 2020.
- ✂ Octofinalist, Australasian Intervarsity Debating Championship, 2020.

## references

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Prof. P. Ramadevi  
IIT Bombay  
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