

# AARATRICK BASU

## CURRICULUM VITAE<sup>1</sup>

### PERSONAL DATA

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INSTITUTE University of Virginia, Charlottesville, USA  
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WEBSITE [My Github page](#)  
OFFICE 121 Kerchof Hall, 141 Cabell Dr, Charlottesville, VA 22904, USA

### EDUCATION

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PERIOD	<b>Fall 2024 — Present</b>	
DEGREE	<b>PhD in Mathematics</b>	
UNIVERSITY	<b>University of Virginia</b>	Charlottesville, VA, USA
ADVISOR	Undecided	

PERIOD	<b>2021 — 2024</b>	
DEGREE	<b>Bachelor of Mathematics (Honours)</b>	
UNIVERSITY	<b>Indian Statistical Institute</b>	Bangalore, India
RESULT	First division with distinction	

### SCHOLARSHIPS AND AWARDS

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**2022** Summer Research Fellowship (Indian Academy of Sciences)  
**2019** KVPY SA Fellow  
**2019** JBNSTS Junior Scholar

### TEACHING

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**Spring 2025** Teaching assistant for MATH 3250 Ordinary Differential Equations  
**Fall 2024** Teaching assistant for MATH 3310 Basic Real Analysis

### SKILLS

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**Languages** English (near native), Hindi (fluent), Bengali (native)  
**Programming Languages** Python, LaTeX, R, Markdown, JavaScript, Bash

### TALKS GIVEN

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- Hyperbolic Geometry, Hyperbolic Surfaces and Fuchsian Groups  
Math Club student talk, ISI Bangalore, August 2023
- $L^2$ -cohomology and intersection cohomology  
Intersection Homology reading seminar, ISI Bangalore, February 2024
- What is  $\pi(x)$ ?  
Math Club “What is ...?” seminar, ISI Bangalore, March 2024

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<sup>1</sup>Updated on 8<sup>th</sup> January, 2025

## CONFERENCES ATTENDED

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- Holomorphic and Topological Methods in Symplectic Geometry  
Summer school at ISI Kolkata, 3<sup>rd</sup> – 8<sup>th</sup> June, 2024
- Advanced Instructional School on Lie Groups and Lie Algebras  
Summer school at IISc Bangalore, June – July, 2023

## VOLUNTEER WORK

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- Contributed to the [website](#) of math contest *LIMIT* run by students of ISI Bangalore.
- Organised “What is ...?” [seminar](#) with other Math Club members at ISI Bangalore.