

Prachi Garella

CONTACT INFORMATION

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EDUCATION	University of Houston , College of Natural Sciences and Mathematics, Tx, USA. 2022–Present <ul style="list-style-type: none">• PhD in Theoretical Physics.
	Durham University , Ustinov College, Durham, UK. 2018–2019 <ul style="list-style-type: none">• Postgraduation in Particles, Strings and Cosmology, Result: Pass
	Amity University Noida , India. 2015–2018 <ul style="list-style-type: none">• B.Sc(Honours) – Physics. Result: First Division CGPA: 6.82/10
	Cambridge School, Srinivaspuri , New Delhi, India. 2015–2018 <ul style="list-style-type: none">• Higher Secondary (Major–Science) Result: First Division Percentile : 80.75
ADDITIONAL COURSES	<ul style="list-style-type: none">• Kavli Asian Winter School on Strings, Particles and Cosmology. 10–23 January 2022 <i>International Centre for Theoretical Sciences, TIFR.</i>• Dualities in Topology and Algebra. 01–13 February 2021 <i>International Centre for Theoretical Sciences, TIFR.</i>• Nonperturbative and Numerical Approaches to Quantum Gravity, String Theory and Holography. 18–22 January 2021 <i>International Centre for Theoretical Sciences, TIFR.</i>
RESEARCH EXPERIENCE	<ul style="list-style-type: none">• Consistent Metric Fluctuations in AdS_6/CFT_5. June 2021–January 2022 Advisor: Prof. Carlos Nunez, <i>University of Swansea, UK.</i>• Computation of the Hilbert Series for the Coulomb branch of $3d\ N=4$ $U(1)$ gauge theory with n flavors and quiver $[1] - 1 - 1 - [1]$ (framed A_2). June–July 2021 Advisor: Prof. Amihay Hanany, <i>Imperial College London, UK.</i>• Postgraduate Thesis: String Inflation and An Introduction to The String Swampland 2018–2019 Advisor: Prof. Ruth Gregory, <i>Durham University and King's College London, UK</i>• Summer School: Long Term Data Sets for Understanding of Solar and Stellar Magnetic Cycles. 2018 <i>International Astronomical Union Symposium, Jaipur, India.</i>• Undergraduate Project:<ul style="list-style-type: none">◦ Curved Spacetime and Introduction to General Theory of Relativity. 2017–2018 <i>Inter University Center for Astrophysics and Astronomy, Pune, India..</i>◦ Search for Extraterrestrial Intelligence in Interstellar Space. 2017 <i>Department of Astronomy and Astrophysics, Amity University Noida, India.</i>◦ Multiverse, a consequence of Cosmic Inflation. 2016 <i>Department of Astronomy and Astrophysics, Amity University Noida, India.</i>• All India Asteroid Search Campaign. 2016 Advisor: Dr. Patrick Miller, <i>Hardin-Simmons University, Texas, USA.</i>

TECHNICAL SKILLS	• <i>Programming Languages:</i> C/C++, Python.	
	• <i>Technical Softwares:</i> L ^A T _E X, MATLAB, Mathematica, Final Cut Pro.	
PUBLIC TALKS	• Open problems in Theoretical Physics Amity University Noida, India.	2021
	• General Relativity and its impact on physics Virtual.	2021
	• On the Foundations of Quantum Mechanics. Christ University, Bangalore, India.	2020
	• Gravitational Waves and Blackholes. Beyond portals Head Quarters, New Delhi, India.	2018