

# Vishal Bhardwaj

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CONTACT INFORMATION	Department of Mathematics Louisiana State University Baton Rouge, LA 70803, USA			vbhard3@lsu.edu
EDUCATION	<b>Louisiana State University</b> Ph.D. Mathematics  <b>National Institute of Technology Manipur</b> M.S. Mathematics and Computing, May 2022 <ul style="list-style-type: none"><li>• Thesis: <i>Prime divisors in an arithmetic progression and abc-conjecture</i></li><li>• Advisor: Shanta Laishram</li></ul> <b>GD Goenka University</b> B.S. Mathematics, May 2019 <ul style="list-style-type: none"><li>• Thesis: <i>A study of hypergeometric functions</i></li><li>• Advisor: Smita Sood</li></ul>			
RESEARCH INTEREST	Analytic number theory, Elliptic curves			
PUBLICATIONS	Seasonal Variation with respect to Water Quality Index of Ghaggar River (with Smita Sood, Prerna Sharma, and Varsha Sharma), November 2018. [pdf]			
CONFERENCES ATTENDED	<i>Southern Regional Number Theory Conference</i> (Online) at the LSU, March 2023  <i>Bayou Arithmetic Research Days</i> (Online) at the LSU, November 2022  <i>Formal Power Series &amp; Algebraic Combinatorics</i> (FPSAC) at the IISc Bangalore, July 2022  <i>L-functions, Circle-Method and Applications</i> (Online) at the ICTS-TIFR, June 2022			
TEACHING EXPERIENCE	Summer 2023	Teaching Fellow, Programming and Data Structures	Plaksha University	
	Spring 2023	Teaching Fellow, Programming and Data Structures	Plaksha University	
	Fall 2022	Teaching Fellow, Computational Thinking	Plaksha University	
HONORS AND AWARDS	2020	All India Rank of 861 out of 13,186 candidates in the Indian Institute of Technology Joint Admission test for Masters		
	2019	Recipient of the Best Co-curricular Activities award by the School of Basic and Applied Sciences at GD Goenka University		
	2016-2019	Secured the first rank consistently at GD Goenka University		
	2016-2019	Dean's list for academic excellence at GD Goenka University		
	2016-2019	Granted a fully funded merit scholarship at GD Goenka University		

GRANTS AWARDED	July 2022	Travel grant for FPSAC at the Indian Institute of Science	INR 10248
RESEARCH EXPERIENCE	Summer 2018	Research Intern, Indian Institute of Technology Guwahati	Natesan Srinivasan
OUTREACH	2023	<i>Management Team Member</i> , Young Technology Scholars	Plaksha University
	2022-2023	<i>Core Team Member</i> , Admissions and Outreach	Plaksha University
	2022	<i>Management Team Member</i> , Young Creators League	Plaksha University
LEADERSHIP	2020-2022	Member of the departmental postgraduate committee	NIT Manipur
	2020-2022	President of the Mathematics Society	NIT Manipur
	2021-2022	Placement Coordinator of the Department of Mathematics	NIT Manipur
TECHNICAL SKILLS		C/C++, Data Structures and Algorithms, MATLAB, L <sup>A</sup> T <sub>E</sub> X	