

# Badri Vishal Pandey

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## CONTACT INFORMATION

Dept. of Mathematics  
University of Virginia  
Charlottesville, VA 22904

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## RESEARCH INTERESTS

Analytic and Algebraic Number Theory

## EDUCATION

**University of Virginia**, Charlottesville, VA

PhD July, 2019-Present.

- *Mathematics*

Thesis advisor: **Ono, Ken**

Thomas Jefferson Professor of Mathematics and Chair, Department of Mathematics,  
University of Virginia.

**Indian Statistical Institute**, Bangalore, India

M.Math July, 2017-2019.

- *Mathematics*

**Indian Statistical Institute**, Bangalore, India

B.Math(Hons.) July, 2014-2017.

- Major: *Mathematics*

## PAPERS AND PUBLICATIONS

- Modular forms and Ellipsoidal  $T$ -designs, The Ramanujan Journal, (recommended for publication)
- Inversion Formulas for the  $j$ -function Around Elliptic Points (Co-author: De Las Penas Castano A), submitted

## TALKS

- Ellipsoidal  $T$ -design  
18th Nagoya combinatorial seminar
- Lightning Rounds by graduate students,  
UVA Undergraduate Math Club

December 17, 2020

March 03, 2020

TEACHING EXPERIENCE	• <i>Instructor for Math 1220, A survey of calculus 2,</i>	Fall 2021
	• <i>Instructor for Math 1220, A survey of calculus 2,</i>	Spring 2021
	• <i>Instructor for Math 1210, A survey of calculus 1,</i>	Fall 2020
	• <i>Teaching Assistant for Math 3250, Ordinary Differential Equations,</i>	Spring 2020
	• <i>Grader for Math 3310, Basic Real Analysis,</i>	Spring 2020
	• <i>Teaching Assistant for Math 2310, Calculus III,</i>	Fall 2019
	• <i>Grader for Math 4651, Advanced Linear Algebra,</i>	Fall 2019
CONFERENCES AND WORKSHOPS	• <i>Advanced Instructional School on Topology,</i> National Board of Higher Mathematics	May 2018
	• <i>Algebraic Geometry,</i> Indian Statistical Institute	Dec 2017
ACHIEVEMENTS AND SCHOLARSHIPS	<i>Among top 100</i>	2019
	TIFR Graduate School Admissions Written Exam	
	<i>Rank 46</i>	2018
	CSIR UGC National Eligibility Test	
	<i>Academic fellowship for excellent performance</i> BMath Third year	2017
	<i>Academic fellowship for being second rank holder</i> BMath First year	2014
EXTRACURRICULAR ACTIVITIES	<i>Ranked 21 out of 150,000 candidates</i>	2014
	Uttar Pradesh State Engineering Entrance Exam	
	• <i>ISI intra-college Cricket tournament winner,</i> Indian Statistical Institute, Bangalore center	2018
	• <i>ISI intra-college Soccer tournament winner,</i> Indian Statistical Institute, Bangalore center	2015 & 2017
	• <i>Sports Committee Member,</i> Indian Statistical Institute, Bangalore center	2015
TECHNICAL SKILLS	• <i>Mentor of first year undergrad,</i> Indian Statistical Institute, Bangalore center	2015
	Sage(elementary), Python(elementary), Mathematica, Octave, LaTeX, C, C++, html	