

# Curriculum Vitae

Devang Agarwal  
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RESEARCH INTERESTS  $p$ -adic modular forms, Arithmetic Geometry

## Education

DOCTOR OF PHILOSOPHY In Progress  
Mathematics  
under Professors Adrian Iovita and Giovanni Rosso  
**Concordia University**, Montreal, Canada

MASTER OF SCIENCE 2021-2023  
Mathematics  
under Professor Vinayak Vatsal  
**University of British Columbia**, Vancouver, Canada  
Course Average (out of 100): 94.5

BACHELOR OF SCIENCE (HONOURS) 2017-2020  
Mathematics and Computer Science  
**Chennai Mathematical Institute**, Kelambakkam, India  
CGPA (out of 10): 9.68

## Projects and Seminars

AUTOMORPHIC REPRESENTATIONS Fall '22  
Online Graduate Student Seminar  
University of California, San Diego

ABELIAN VARIETIES Summer '22  
Online Graduate Student Seminar  
University of California, San Diego

ELLIPTIC CURVES AND EICHLER-SHIMURA THEORY July '19 - August '19  
under **Dr. Ritabrata Munshi**  
Indian Statistical Institute  
Indian Academy of Sciences' Summer Research Fellowship Programme

CLASS FIELD THEORY May '19 - June '19  
under **Dr. Sinnou David**  
Chennai Mathematical Institute

ANALYTIC NUMBER THEORY AND MODULAR FORMS Summer '18  
under **Dr. Soumya Das**  
Indian Institute of Science

## Conferences and Workshops Attended

ARITHMETIC AND $p$ -ADIC GEOMETRY IN CHILE Universidad de Santiago de Chile	December '24
QUÉBEC-MAINE NUMBER THEORY CONFERENCE Université Laval	October '24
MODULAR FORMS, L-FUNCTIONS, AND EIGENVARIETIES: A CONFERENCE IN MEMORIAM OF JOËL BELLAÏCHE École Normale Supérieure	June '24
ARIZONA WINTER SCHOOL 2024: ABELIAN VARIETIES University of Arizona	March '24
SPRING SCHOOL ON NON-ARCHIMEDEAN GEOMETRY AND EIGENVARIETIES University of Heidelberg	March '23
INTRODUCTORY WORKSHOP: ALGEBRAIC CYCLES, L-VALUES, AND EULER SYSTEMS Mathematical Sciences Research Institute, Berkeley	January '23
PACIFIC RIM MATHEMATICAL ASSOCIATION CONGRESS 2022 Pacific Institute for the Mathematical Sciences	December '22
A PAIR OF AUTOMORPHIC WORKSHOPS University of Oregon, Eugene	July '22
CONFERENCE ON HOMOTOPY THEORY WITH APPLICATIONS TO ARITHMETIC AND GEOMETRY The Fields Institute, Toronto	June '22

## Teaching Experience

TEACHING ASSISTANT, UNIVERSITY OF BRITISH COLUMBIA	
Spring 2021	MATH 220 (Intro to Mathematical Proofs)
Summer 2021	MATH 300 (Introduction to Complex Variables), MATH 104 (Differential Calculus with Applications to Commerce and Social Sciences)
Fall 2021	MATH 312 (Introduction to Number Theory)
Spring 2022	MATH 313 (Topics in Number Theory)
Fall 2022	MATH 100 (Differential Calculus with Applications)
MATH LEARNING CENTRE, UNIVERSITY OF BRITISH COLUMBIA	
Providing support for undergraduate students in a common study area.	
TEACHING ASSISTANT, CHENNAI MATHEMATICAL INSTITUTE	
Spring 2020	Modules & Galois Theory

## Miscellaneous

LANGUAGES    Fluent: English, Hindi  
                 Beginner: French

SOFTWARE    C, C++, Haskell, Python,  $\text{\LaTeX}$ , HTML

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