

Puja Pandey

✉ puja.pandey@ufl.edu ☎ (352) 284 - 9711

EDUCATION

University of Florida <i>Ph.D. in Mathematics</i>	GPA - 3.76 2018 - Present
University of Florida <i>Master of Science in Mathematics</i>	GPA - 3.80 2018 - 2020
Indian Institute of Technology, Hyderabad, India <i>M.Sc. in Mathematics</i>	GPA - 8.52 2016 - 2018
University of Delhi, India <i>B.Sc. (Honours) Mathematics</i>	Percentage - 86.65 2012 - 2015

AREAS OF INTERESTS

- Probability Theory
- Asymptotic Geometric Analysis

TEACHING EXPERIENCE

Instructor *University of Florida*

- Summer 2022: Elementary Differential Equations.

Teaching Assistant

University of Florida
August 2018 - Present

- Fall 2022: Precalc Alg and Trig.
- Spring 2022: Analyt Geom and Calc 3.
- Fall 2021: Precalculus Algebra and Trig.
- Spring 2021: Analyt Geom and Calc 2.
- Fall 2020: Analyt Geom and Calc 2.
- Summer 2020: Analyt Geom Calc 1.
- Spring 2020: Analyt Geom and Calc 2.
- Fall 2019: Analyt Geom and Calc 2.
- Summer 2019: Analyt Geom Calc 1.
- Spring 2019: Analyt Geom Calc 1.
- Fall 2018: Precalc Alg and Trig.

Tutor

July 2015 – June 2016

- Worked as a tutor for undergraduate students in India. I taught Ordinary Differential Equation and Calculus.

TALKS IN SEMINARS

- The best general upper bound known to the date of Isotropic Constant for convex measures in Analysis & Probability Seminar at University of Florida in November, 2022.
- On the Equivalence of Distributional Distances for Isotropic Convex Measures in Analysis & Probability Seminar at University of Florida in October, 2021.
- Equivalence of modes of convergence for log-concave measures at University of Florida in March, 2021.
- Optimization over non-additive measures at IIT Hyderabad in May, 2018.

- Fuzzy Measures at IIT Hyderabad in December, 2017.

TALKS IN CONFERENCES

- On the Equivalence of statistical Distances for Isotropic Convex Measures (Will be giving a talk at JMM 2023 on January 6).
- On the Equivalence of Statistical Distances for Isotropic Convex Measures at 47th Annual New York State Regional Graduate Mathematics Conference on April 2, 2022.
- On the Equivalence of Statistical Distances for Isotropic Convex Measures at Joint Meetings of the Florida Section of the Mathematical Association of America on February 19, 2022.

PAPER

- A. Marsiglietti, P. Pandey, On the equivalence of statistical distances for isotropic convex measures, in: Mathematical Inequalities & Applications 25 (3) (2022) 881–901.

POSITIONS OF RESPONSIBILITY

- Vice President of Graduate Mathematics Association, University of Florida in 2022.
- Mentor to three graduate students in last three years in 2020, 2021 and 2022.
- Mentor to a high school student with Orlando Math Circle.
- Outreach Organizer of Association for Women in Mathematics, University of Florida in 2019.

ACCOLADES

- Designed the website of Indian Institute Technology Hyderabad, Mathematics Department, 2018.
- Secured the first class 2nd position in Masters of Sciences, 2018.
- Qualified Graduate Aptitude Test in Engineering (GATE) 2018 conducted by National Coordination Board (NCB) - GATE for the Department of Higher Education, India.
- Qualified IIT - Joint Admission for M.Sc. in Mathematics, 2016 conducted by IITs on behalf of the Ministry of Human Resources Development (MHRD), Government of India.
- Secured a place in top 1 % in Bachelor of Mathematics (Honours), 2015.
- Qualified AIEEE - 2012.
- Scholarship for getting higher marks, 2007 - 2010.

TECHNICAL SKILLS

Python, LATEX.

LANGUAGES KNOWN

English, Hindi