

Shrivathsa Pandelu

DOB: 5 December 1999
Address: 503 Vincent Hall
206 Church St SE
Minneapolis, MN 55455

Phone: +1 (763) 344-6800
Website: shrivathsap.github.io
Email: pande223@umn.edu

Education

- 2022-Present, Mathematics PhD, University of Minnesota, Twin Cities
- 2020-2022, Master of Mathematics (Hons.) from Indian Statistical Institute, Kolkata
- 2017-2020, Bachelor of Mathematics (Hons.) from Indian Statistical Institute, Bangalore

Teaching and Mentoring Experience

- Fall 2024, two sections of MATH 2263, Vector Calculus
- Summer 2024, lead instructor for MATH 2263, Vector Calculus
- Spring 2024, two sections of MATH 2263, Vector Calculus
- Spring 2023, two sections of MATH 2374, CSE Vector Calculus
- Fall 2022, two sections of MATH 1271 Calculus I
- Fall 2022, mentored a DRP (Directed Reading Program) student Category Theory, Algebraic Topology

Publications

1. Results on finite collection of polygons and a proof of the Jordan curve theorem”, The Mathematics Student Vol. 91 (nos. 3-4), 2022, pp. 87- 125.

Invited Talks

- 2023, 89th Annual Conference of the Indian Mathematical Society-An International Meet, BITS-Hyderabad, "How to train your Jordan Curve", [Slides](#)[pdf]

Talks

- 2024, Student Symplectic Geometry Seminar UMN, “Cobordisms”
- 2021, ISI Student Lecture Series 2021 (Virtual) “Baire Category Theorems and applications to Functional Analysis”, [Slides](#)[pdf], [Video](#)[link]

Conferences and workshops

- 2024 Yamabe Symposium, UMN-Twin Cities, Minnesota
- 2024 eCHT Hopf Ring Workshop, Virtual
- 2023 89th Annual Conference of the Indian Mathematical Society, BITS-Hyderabad, India
- 2023 CA+, UMN-Twin Cities, Minnesota
- 2023 Riviere-Fabes Symposium, UMN-Twin Cities, Minnesota
- 2022 Western Algebraic Geometry Symposium, UC Riverside, California

Undergraduate Research Experience

- Oct 2021 - Jan 2022, Project work under Prof. Mahuya Datta related to Morse Theory, ISI Kolkata.
- May-July 2020, Worked independently on a proof of Jordan Curve Theorem and submitted it to The Mathematics Student. The paper can be found on my website.
- November 2019, Serre's Course in Arithmetic reading project under Prof Maneesh Thankur, ISI Bangalore
- April 2019, Visiting Students' Research Program at Tata Institute of Fundamental Research, Algebraic Geometry under Prof Yogish Holla, TIFR, Bombay

Awards and achievements

- A. Narsinga Rao Memorial Prize, 2023
- General GRE 2019 score: 336/346
Verbal reasoning: 162/170, Quantitative reasoning: 170/170, Analytical writing: 4/6
GRE Maths 2019: 890 (92 percentile)
TOEFL iBT 2021 score: 116/120
Reading: 30/30, Listening: 30/30, Speaking: 27/30, Writing: 29/30
- P. C. Panesar Memorial gold medal, for outstanding performance in MMath (Hons.)
- S. H. Aravind gold medal for outstanding performance in BMath (Hons.) from ISI, Bangalore
- Madhava Mathematics Competition, 2020, secured 1st prize (all India) for scoring 83 out of 100.
- Simon-Marais Mathematics Competition, 2019, secured 7th position overall (out of 393 individual entries, Asia-Pacific region) and the Stonehage Fleming/Marais Prize
- Madhava Mathematics competition, 2019 and received a cheer prize for scoring 67 out of 100 with rank 12 (all India)
- Simon-Marais Mathematics Competition, 2018, arrived in the top quartile (individual entry) out of 891 students (Asia-Pacific region)
- Entrance exams: All India Rank (AIR) 693 in JEE Mains, AIR 1827 in JEE Advanced, Karnataka State Rank 30 in Karnataka Common Entrance Test
- Scored Distinction with 97% in Pre University Education
- 10 CGPA in class 10 under the CBSE

Software and Language

- Skilled in Python, C, \LaTeX , Javascript, Inkscape and a beginner in Java & R. GitHub profile: <https://github.com/shrivathsap>
- Fluent in English, Kannada, Hindi and I have studied Sanskrit