

# Milap Rajgor

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## Education

- 2024 – present    **PhD Mathematics, The University of Tennessee - Knoxville**  
Graduate Teaching Assistant
- 2021 – 2024    **MS. Mathematics, Indian Institute of Science Education and Research, Berhampur**  
CGPA: 9.35/10
- 2017 – 2020    **B.Sc. Mathematics, The Maharaja Sayajirao University of Baroda, Gujarat**  
Overall CGPA: 8.53/10.  
CGPA in Mathematics: 9.0/10

## Projects

- Aug 2023 - March 2024    **Working on Master's Thesis on "Geometric Analysis of Bergman Kernel and Bergman Metric"** under the supervision of Dr. Ratna Pal, Assistant Professor, IISER Mohali.
- Aug-Dec 2022    **Did a Reading project on "Hausdorff Measure and Dimension"** under the Supervision of Dr. Senthil Raani, Assistant Professor, IISER Berhampur.

## Academic Achievements And Awards

- 2019    **12th Rank in Professor A.R. Rao Mathematics Competition** state level exam for Third Year B.Sc Students organized by Gujarat Ganit Mandal.
- 1st Prize in Minaxi Lalit Science Award-2020** (State Level) conducted by Gujarat University held on October 13, 2019.
- 2021    **All India Rank 94 in Joint Admission Test for Masters (JAM)**, conducted by IISc Bangalore.
- Awarded Institute Fellowship at IISERBPR**

## Mathematics Lectures, workshops and summer schools:

- 2018    **Mini-MTTS**, funded by NBHM, RIE Ajmer (September – 2018).
- 5th State level Workshop on Problem Solving and Enrichment in Mathematics**, Ahmedabad (December-2018).
- 2019    **Mathematics Training and Talent Search Programme 2020** (LEVEL o) at RIE AJMER held from June–July 2019.(4 week Program)

## Mathematics Lectures, workshops and summer schools: (continued)

- 2020 ■ 6th State level Workshop on **Problem Solving and Enrichment in Mathematics**, Ahmedabad (December-2019).
- 2020 ■ **Mathematics Training and Talent Search Programme 2020** (LEVEL 1) held from June–July 2020.(4 week Program)
- 2022 ■ **Annual Foundation School** organized by IIT Bombay and TIFR at Mepco College (Sivakasi) held from Dec21-Jan 22(4 week Program)
- 2022 ■ **Mathematics Training and Talent Search Programme 2020** (LEVEL 2) At IISER Trivandrum held from June– July 2022.(4 week Program)
- 2023 ■ **Geometric aspects of the Orthogonal Matrices** by Prof. Jugal K Verma (IIT Bombay) Organized by Project Spiral(Math Club of IISERBPR)
- 2023 ■ **Hilbert's Tenth Problem, for the 21st Century** by Prof. Sylvie Ancombe (Universite Paris Cite) Organized by Project Spiral
- 2023 ■ **Beyond uniform distribution** by Prof. Anirban Mukhopadhyay(Indian Institute of Mathematical Sciences) Organized by Project Spiral

## Seminars/Presentations given:




- 2021 ■ Presented the proof of " $\int_{-\infty}^{\infty} \frac{\sin x}{x} dx = \pi$ " in Complex Analysis course in the first semester of Masters
- 2022 ■ Presented proof of "**Baire category theorem and Uniform Boundedness Principle**" in 'Functional Analysis' course in the fourth semester of Masters
- 2022 ■ Presented the proof of "**Transcendence of 'e'**" in 'Field and Galois theory' course in the third semester of Masters
- 2022 ■ Presented the proof of "**Urysohn's Lemma**" in MTTTS Summer Camp at IISER TVM
- 2022 ■ Presented "**Rolle's theorem using Nested Intervals**" in VSSP (Virtual Student Seminar Program) 2022 Organized by 'Curryleaf Club of Mathematics'

## Extra curricular activities

- 2019 ■ Participated and Volunteered in **Open House and Science Fair** organized by the Maharaja Sayajirao University of Baroda, Gujarat from March 11-12, 2019.
- 2019 ■ Participated in the National Level **Madhava Mathematics Competition** in Jan 2019
- 2020 ■ Participated in the National Level **Madhava Mathematics Competition** in Jan 2020
- 2022 ■ Content Creator of Math Club **Project Spiral** of IISER BPR from Dec 2021 to Dec 2022
- 2022 ■ Participated in the **Simon Marais International Mathematics Competition** in 2022
- 2023 ■ Participated in **Kyrrat 2022 and Kyrrat 2023**, Annual Fest of IISER BPR in March 2022 and 2023

## Miscellaneous

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- Languages     English, Hindi, Gujarati
- Software      $\LaTeX$ , C++, Python
- Hobbies      Playing Chess, Yoga-Meditation, Trekking