

Aniruddha Sudarshan

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🌐 <https://aniruddhasudarshan.github.io/>

Education

- 2022 – Present 📖 **Ph.D., Temple University** in Mathematics.
- 2018 – 2021 📖 **MS, Indian Institute of Science Education and Research, Bhopal** in Mathematics.
Thesis title: *On some applications of the Chebotarev density theorem*.
Supervised by Jyoti Prakash Saha.
- 2015 – 2018 📖 **B.Sc., Jain University** in Mathematics, Physics, and Computer Science.

Research

- 1 J. P. Saha and A. Sudarshan, “On some local properties of sequences of big Galois representations,” *Journal of Number Theory*, vol. 264, pp. 295–306, 2024, ISSN: 0022-314X. 🔗 DOI: <https://doi.org/10.1016/j.jnt.2024.05.012>.

Skills

- Languages 📖 Reading, writing, and speaking competencies for **English, Hindi, Kannada**. Speaking competency for **Tamil**.
- Misc. 📖 Sketching & Painting, Music (Instrumental Veena), Sports (Cricket, Tennis, Baseball, ...).

Teaching Experience

At Temple Univesity

- Fall 2024 📖 **Mathematics for the Basic World**, Instructor.
- Spring 2024 📖 **Introduction to Modern Algebra**, Teaching Assistant.
- Fall 2023 📖 **Lab for Calculus I**, Teaching Assistant.
- Summer 2023 📖 **Precalculus**, Instructor.
- Spring 2023 📖 **Modern Algebra II** and **Advanced Calculus II**, Teaching Assistant.
- Fall 2022 📖 **Differential Equations I**, Teaching Assistant.

At IISER Bhopal

- Spring 2021, 2022 📖 **Probability and Statistics**. Teaching Assistant.
- Fall 2020, 2021 📖 **Introduction to Groups and Symmetries**. Teaching Assistant.

Conferences/Workshops attended

- 2019 📖 Number Theory Symposium, IIT Gandhinagar
- 2021 📖 Elliptic Curves and the special values of L-functions (ONLINE), ICTS
- 2023 📖 Representation Theory, L-functions, and Arithmetic, University of Pittsburgh
- 2024 📖 Arizona Winter School, University of Arizona

Conferences/Workshops attended (continued)

- Modular Forms, L-functions, and Eigenvarieties: a conference in memoriam of Joël Bellaïche, ENS, Paris, France
- Arithmetic and p -adic geometry in Chile (Summer School), Santiago, Chile.

Awards

Indian Institute of Science Education and Research, Bhopal

2021-2022 ■ Prime Minister Research Fellow (PMRF).

Temple University

2022-present ■ Jay Novik Endowed Graduate Fellowship.

References

Dr. Jaclyn Lang Assistant Professor, Temple University

Dr. Jyoti Prakash Saha Assistant Professor, Indian Institute of Science Education and Research, Bhopal