Komal Agrawal
Jalgaon, India

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Education

- **University of Georgia** — Athens, Georgia, United States
  PhD(Mathematics) — *2017 - 2022*
  - Thesis: On Some Problems Concerning Integer Recurring Sequences
  - Advisor: Paul Pollack

- **Birla Institute of Technology and Science, Pilani** — Hyderabad, India
  Bachelors(Mathematics) — *2013 - 2017*
  - Thesis: Spectral Spaces of Locally Finitely Generated Abelian Categories
  - Supervisor: Abhishek Banerjee (Indian Institute of Sciences, Bengaluru)
  - Degree awarded with First Class.

Work Experience (Academic)

- **Instructor of Record** — Athens, Georgia
  University of Georgia, Department of Mathematics — *Fall 2018 - Fall 2021*
  - MATH 1113, Precalculus (x6)
  - MATH 2250, Calculus (x2)

- **Graduate Student Teaching Assistant** — Athens, Georgia
  University of Georgia, Department of Mathematics — *Aug 2017 - Dec 2021*
  - MATH 4000, Modern Algebra and Geometry I (x2)
  - MATH 4010, Modern Algebra and Geometry II
  - MATH 1113E, Precalculus - Online
  - MATH 2250, Calculus I for Science and Engineering - Online

- **Teaching Assistant** — Hyderabad, India
  BITS Pilani, Department of Mathematics — *Fall 2016*
  - MATH F231, Number Theory

Publication

Finite sets containing near-primitive roots (w/ P. Pollack) J. Number Theory 225 (2021), 360373.

Awards, Grants & Honours

University of Georgia, B.J. Ball Scholarship	Summer 2020
University of Georgia, Teaching Assistantship	2017-present
UGA Office of the Vice President of Research Grant	2017-2018
Government of India, INSPIRE-SHE Scholarship	2013-2017
AISSE Certificate of Merit	2013

Talks

- "An Intorduction to the Erdős Multiplication Table Problem", August 2021, Graduate Student Summer Conference, UGA.

- "Guass' Circle Problem", December 2020, Presentation for MATH 8850, UGA.

- "Multiplicative Order and Repeating Decimals", July 2020, Graduate Student Summer Conference, UGA.

- "On the distribution of pseudoprimes and Carmichael Numbers", Feb 2020, Oral Exam Talk, UGA.

- "Joints Problem", October 2019, Analysis Reading Seminar, UGA.

- "Zeta Functions", October 2019, SMARTS Seminar, UGA.

- "Orders of Arithmetic Functions", April 2019, Graduate Student Seminar, UGA.

- "Collatz Conjecture and its Polynomial Analogue", July 2018, GSSC, UGA.

Conferences and Workshops Attended

- Modular Forms, Arithmetic, and Women in Mathematics, Nov 2019.

- Palmetto Number Theory Series 32, Sep 2019.

- Polynomial Method, Summer Graduate School, MSRI, July 2019.

- Palmetto Number Theory Series 31, Dec 2018.

Service

- Member, Climate and Inclusivity Committee, 2019-2022.

- Organizer, UGA Math Graduate Student Seminar, 2019-2020.

- Vice President, UGA Chapter of the AWM, 2018-2021.

- UGA High School Math Tournament, Volunteer, Oct 2019.

- Directed Reading Program Mentor for Quinn Wyner (undergraduate) on Number Theory and Cryptography, Spring 2019.

- Directed Reading Program Mentor for Ryan Carroll (undergraduate) on Category Theory, Fall 2018.

- Graduate Student Helper, Combinatorial Geometry Group, UGA MathCamp, July 2018.