Avinash Iyer

Email: iyer@virginia.edu
Phone: (408) 203-8125
Website: ai.avinash-iyer.com

ABOUT ME

Mathematics PhD student at the University of Virginia interested in functional analysis.

EDUCATION

A.B., *summa cum laude* in Mathematics   May 2025
Occidental College, Los Angeles CA

PhD in Mathematics   August 2025–Present
University of Virginia, Charlottesville VA

PAPERS AND PRESENTATIONS

- *Research Experience for Undergraduates:* NSF-REU at East Texas A&M University, member of the Complex Analysis research group under Dr. Mehmet Celik. Studied excess area identities under operators on particular function spaces.

- *Observations on Weighted Toeplitz Operators and Symbol Constructions in Bergman Spaces*: Presentation at Joint Mathematics Meetings 2025.

- *Understanding Amenability in Discrete Groups*: Thesis and presentation for Honors in the Mathematics Department.

- *Extending beyond our limits*: Expository discussion of generalized limits given at the Graduate Students Seminar at the University of Virginia.

TEACHING

Fall 2025: Calculus 2 (Teaching Assistant), Advanced Linear Algebra (Grader)
Spring 2026: Elementary Linear Algebra (Teaching Assistant), Survey of Algebra (Grader)

AWARDS AND HONORS

Occidental College Dean's List   Fall 2021–Spring 2025
William Lowell Putnam Exam   8/120
Benedict Freedman Senior Prize in Mathematics   April 30, 2025