Avinash Iyer

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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

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.

COURSEWORK
Undergraduate: Linear Algebra, Advanced Linear Algebra, Abstract Algebra (I and II), Real Analysis (I and II), Complex Analysis, Ordinary Differential Equations, Partial Differential Equations, Set Theory and Foundations of Mathematics, Mathematical Methods of Physics (I and II), Amenability and C*-algebras (Honors), Algebraic Geometry (Independent Study)

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