Kesavan Mohana Sundaram   Curriculum Vitae

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Education

2023–Present	**University of Nebraska-Lincoln** PhD Student in Mathematics Advised by Eloísa Grifo and Jack Jeffries
2021–2023	**Indian Institute of Technology Madras** M.Sc. in Mathematics
2016–2019	**Ramakrishna Mission Vivekananda College, Chennai** B.Sc. in Mathematics

Research Interests

Broadly speaking, I am interested in commutative algebra and homological algebra and their intersections with algebraic geometry.

Honors and Awards

2023 - 2025	UNL Chancellor's Fellowship
2022 - 2023	IITM Merit Scholarship

Talks and Presentations

July 2024	UNL Commutative Algebra Reading Seminar: *A Zariski-Nagata theorem for smooth $\mathbb{Z}$-algebras*
June 2024	UNL Commutative Algebra Reading Seminar: *An introduction to Symbolic Powers*
Febraury 2024	UNL Commutative Algebra Reading Seminar: *Adams Operations in Commutative Algebra*
September 2023	UNL Graduate Student Seminar: *An introduction to Schur Polynomials*
June 2023	IITM Commutative Algebra Student Seminar: *Homological Algebra*
May 2023	IITM Student Seminar: *Linear Algebraic Groups*

Seminars Organized

Jan - July 2024	Co-organizer of the UNL Commutative Algebra Reading Seminar
May - July 2023	Co-organizer of the IITM Commutative Algebra Student Seminar

Teaching Experience

Instructor of record, *University of Nebraska, Lincoln*

Fall 2024	Math 102 – Trigonometry

Teaching Assistant, *University of Nebraska, Lincoln*

Summer 2024	Math 106 – Calculus I
Spring 2024	Math 107 – Calculus II
Fall 2023	Math 106 – Calculus I

Outreach

February 2023	Co-organizer of a school and undergraduate students outreach program FORAYS 2023 in IIT Madras

Conferences/Programs Attended

July 2024	BRIDGES in Salt Lake City, Utah
May 2024	URiCA (Upcoming Researchers in Commutative Algebra) in Lincoln, Nebraska
April 2024	Recent Developments in Commutative Algebra in MSRI/SLMath, Berkeley, California
April 2024	TAGS: Syzygies over Texas in College Station, Texas
January 2024	Introductory Workshop: Commutative Algebra in MSRI/SLMath, Berkeley, California
January 2024	Connections Workshop: Commutative Algebra in MSRI/SLMath, Berkeley, California
November 2023	GEMS in Minneapolis, Minnesota
October 2023	AMS Sectional Meeting in Omaha, Nebraska
September 2023	KUMUNU in Columbia, Missouri
August 2023	BrianFest in Lincoln, Nebraska
August 2023	CAMP (Commutative Algebra Market Preparedness) in Lincoln, Nebraska