

*"Too mathematical to interest most biologists and not sufficiently
mathematical to interest most mathematicians"*

Education

- 2021–2026 **Integrated Msc**, *National Institute of Science Education and Research*, Bhubaneswar.
CGPA - 8.72
- 2009–2021 **Schooling**, *Kendriya Vidyalaya No. 1, Palakkad, Kerala*.
 X^{th} - 97%, XII^{th} - 97.8%

Publications

- Manuscript under review **Publication**, NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, In collaboration with N Devanand¹, Shwetha Sasindran¹, Dr. Rittik Deb¹, ¹ NISER.
This project is aimed at assessing the accuracy of various android SPL measurement applications by comparing them with a standard Brüel & Kjær SLM. Testing is done inside an anechoic chamber by comparing readings across a frequency range of 3kHz to 10kHz with varying sound levels at each frequency.
- 2025 **Srinivas, C.L., Sreerag, M., Mukherjee, R. et al.** Image-based South Asian bee species identification: a machine learning approach. *J Insect Conserv* 29, 55 (2025).
<https://doi.org/10.1007/s10841-025-00691-7>

Projects

- August 2024 - present **MSc thesis**, NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, Game Theoretic Modelling of Alternative Reproductive Tactics, Under Dr. Rittik Deb.
The aim of my project is to understand mate signaling behavior using communication games and evolutionary game theory. I am trying to develop a theoretical model to explain the evolution of alternative signaling tactics using trait based adaptive dynamics. My model organism is a tree cricket, *Oecanthus henryi*.
- May-July 2025 **Summer Project**, UNIVERSITY OF CONNECTICUT, STORRS, Dr. Colin T Kremer, Assistant Professor, Department of Ecology and Evolutionary Biology, .
Continuous games and trait based adaptive dynamics
- June-July 2024 **Summer Project**, INDIAN INSTITUTE OF SCIENCE, BANGALORE, Prof. Vishwesha Guttal, Professor, Center for Ecological Sciences, .
Collective behavior

June-July 2023 **Summer Project**, NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESHWAR, Dr.Rittik Deb, Assistant Professor, School of Biological Sciences, .
Effect of development stage diet on adult size and weight

Collaborations

August 2024 **Coding**, NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, In collaboration with Thejas N Manojkumar¹, ¹ NISER.
The goal was to write a python script to synthesize artificial calls of the field cricket *Gryllodes sigillatus*. Phonotaxis experiments show that the artificial signals are highly effective in eliciting female response (for codes refer [here](#)).

Workshops and Conferences

March 2025 **Workshop**, INTERNATIONAL CENTER FOR THEORETICAL SCIENCES, BANGALORE, Decisions, Games and Evolution.
Attended and presented a [poster](#) in the workshop "[Decisions, Games and Evolution](#)" at the International Center for Theoretical Sciences, Bangalore

August 2025 **Conference**, INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, KOLKATA, Behavior.
Selected to present a poster at "[Behavior 2025](#)" the International Conference on Ethology at IISER, Kolkata

Achievements & Awards

GATE All India Rank **10** (2024), All India Rank **52** (2025)
Ecology and Evolution (EY)

GATE Life All India Rank **970** (2024), All India Rank **775** (2025)
Sciences (XL)

CSIR-UGC All India Rank **87** (2025)
NET Life Sciences (703)

Khorana Selected for the [IUSSTF Khorana Program For Scholars 2025](#)
Scholarship

Computer skills

Basic Microsoft Excel, Krita, Shotcut

Coding PYTHON, R(basic)

Typography L^AT_EX