

# Ritwick Mishra

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## Current position

Graduate Student Researcher, Biocomplexity Institute, University of Virginia

MS in Computer Science student, University of Virginia

## Research Interests

Inference problems on graphs, Network science, Approximation algorithms, Interpretable machine learning, NLP

## Work experience

2021 – Graduate Student Researcher, Biocomplexity Institute, University of Virginia

2019 – 2021 Technology Analyst, Credit Suisse, Bangalore, India

## Education

2023 MS in Computer Science, University of Virginia (expected)

2019 BTECH in Computer Science, National Institute of Technology Karnataka, Surathkal, India

## Publications

- [1] Ritwick Mishra et al. “Community Detection using Moore-Shannon Network Reliability: Application to Food Networks”. In: *International Conference on Complex Networks and their Applications*. Springer. 2022. To appear.
- [2] Stephanie Schoch, Ritwick Mishra, and Yangfeng Ji. “Data Selection for Fine-tuning Large Language Models Using Transferred Shapley Values”. In: (2022). Under review.

### ACADEMIC PRESENTATIONS

"Communities in Directed Weighted Food Networks using Moore-Shannon Network Reliability", *Communities in Networks, Network Science 2022*, July 12, 2022

## Awards

2015 Scholarship for JEE-Main National Rank 1445

2013 National Talent Search Scholarship (NTSE), NCERT, India

Last updated: July 28, 2022