

Swarnali Raha

Curriculum Vitae

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Education

2021 – 2026 **University of Florida**, Gainesville, Florida, United States.
(Expected)

Doctoral Student, Advisor: *Dr. Kshitij Khare*

CGPA : 3.91 (out of 4)

2019 – 2021 **Indian Statistical Institute**, Kolkata, West Bengal, Kolkata.

Master of Statistics, Final Project Advisor: *Dr. Subir Kumar Bhandari*.

Percentage: 77.9 (with distinction)

2016 – 2019 **St. Xavier's College**, Kolkata, West Bengal, India.

Bachelor of Science.

Percentage: 86.22

Work Experience

2021 – **University of Florida**, *Graduate (Research/ Teaching) Assistant*, Gainesville, FL,
present United States.

Teaching Experience

Fall 2024, Introduction to Probability (STA 4321)/ Fundamentals of Probability (STA 5325).
Spring 2024,
Fall 2021

Fall 2023, Introduction to Statistics Theory (STA 4322).
Spring 2024

Spring 2023, Introduction to Statistics 1 (STA 2023).

Fall 2022,
Summer 2022

TA duties include holding office hours, grading weekly assignments and exams, proctoring, classroom teaching (occasionally).

Research Interest

1. High-dimensional Covariance Matrix Estimation.
2. Bayesian Uncertainty Quantification.
3. Time Series Data Analysis.
4. Machine Learning.

Scholarships/Certificates/Academic Achievements

- 2023 **Jana F. Col Memorial Award** for the **top PhD student** after passing the written qualifying exam at the University of Florida.
- 2016 **DST INSPIRE Scholar 2016** (Ministry of Science and Technology, Govt. of India)

Workshop and Conference Presentations

- 2024 Computationally Efficient Laplace Approximations for Neural Networks. *Bayesian*
(Upcoming) *Decision-making and Uncertainty Workshop in NeurIPS, Vancouver, Canada, December 2024 (poster).*

Services

- 2023-2024 Organizer, Student Seminar series, Department of Statistics, University of Florida.

Skills

Programing Language R, PYTHON, C, C++, HTML, SQL.

Language Bengali (native), English (fluent), Hindi (fluent).

Soft skills Public Speaking, Teamwork, Leadership, Critical Thinking, Networking.