

EDUCATION

Indian Institute of Technology Kanpur

Ph.D. in Statistics, Advisor: Prof. Dootika Vats

Kanpur, India

2023–Current

Aliah University

M.Sc. in Statistics

Kolkata, India

2018–2020

University of Calcutta

B.Sc.(honours) in Mathematics

Kolkata, India

2014–2018

ADVANCED COURSES

Advanced courses completed at the Indian Institute of Technology Kanpur

- **MTH 707: Markov Chain Monte Carlo** Spring, 2025
- **MTH 754: Probability Theory** Fall, 2024
- **MTH 755: Statistical Inference** Fall, 2024
- **MTH 652: Advanced Calculus** Spring, 2024

TEACHING

Teaching Assistant at the Indian Institute of Technology Kanpur

- **SDS 636: Game Theory** Fall, 2026
- **MTH 422: An Introduction to Bayesian Analysis** Spring, 2026
- **MTH 208: Data Science Lab 1** Fall, 2025
- **MTH 209: Data Science Lab 2** Spring, 2025

Teaching Assistant at the International Centre for Theoretical Sciences (ICTS-TIFR)

- **Summer School for Women in Mathematics and Statistics** Summer, 2026

SKILLS

- **Programming Languages:** R, C, SQL.

PROJECTS

Beyond Expectations: Importance Sampling Quantile Estimation

In Progress

In this project, we are investigating the asymptotic behaviour of importance sampling quantile estimators based on Markov chain Monte Carlo samples.

WORKSHOPS & PRESENTATIONS

Summer School for Women in Mathematics and Statistics

June 2026

International Centre for Theoretical Sciences (ICTS-TIFR)

Talk: Variability in Quantile Estimation

Lectures on Probability and Stochastic Processes XVII

December 2025

Indian Institute of Technology Madras

Poster: Importance Sampling Quantile Estimation with MCMC Samples

Data Science: Decoding the Black Box

March 2020

University of Calcutta