

# SNIGDHA DAS

February, 2026

## CONTACT INFORMATION

Department of Statistics, Texas A&M University  
405B Blocker Building,  
3143 TAMU, 155 Ireland St,  
College Station, TX 77843, USA.

Phone: +1 (979) 845-3141  
Website: [das-snigdha.github.io](https://das-snigdha.github.io)  
E-mail: [snigdha@stat.tamu.edu](mailto:snigdha@stat.tamu.edu) /  
[snigdha.stats@gmail.com](mailto:snigdha.stats@gmail.com)

## EDUCATION

**Texas A&M University**, College Station, Texas, USA

- Doctor of Philosophy, Department of Statistics Aug 2021<sup>1</sup> – Aug 2026 (expected)
- Advisor: Dr. Debdeep Pati
  - Area of Study: Nonparametric Bayes
  - Hagler Graduate Research Fellow Jan 2025 – Dec 2025
  - GPA: 4.0/4.0

**University of Calcutta**, Kolkata, West Bengal, India

- Master of Science, Department of Statistics Aug 2018 – Jul 2020
- Specialization: Advanced Statistical Inference
  - GPA: 9.02/10.00 (First in First Class)

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

- Bachelor of Science, Department of Statistics Jul 2015 – Jul 2018
- Minors: Mathematics, Computer Science
  - GPA: 8.98/10.00

## RESEARCH INTERESTS

Bayesian nonparametrics, efficient Bayesian computation, approximate Bayesian inference, applications in biomedicine and oral health, survey methodology, deep generative modeling.

## AWARDS AND HONORS

### Academic Awards

**Texas A&M University**, College Station, Texas, USA

- Poster Award (Silver Prize) – **Southeast Texas Chapter of the American Statistical Association (SETCASA)** Annual Meeting and Poster Competition. Apr 2025
- Student Paper Award (Honorable Mention) – American Statistical Association (ASA) **Sections on Survey Research Methods (SRMS), Government Statistics (GSS) and Social Statistics (SSS)**. Jan 2025
- **Heep Graduate Research Fellowship** – Hagler Institute for Advanced Study (HIAS). Jan 2025 – Dec 2025
- Thomas Powell '62 Graduate Fellowship Award – College of Arts & Sciences, Texas A&M University. Sep 2024
- **Anant M. Kshirsagar Endowed Fellowship Award** – Department of Statistics, Texas A&M University. Aug 2023
- Joe Newton Poster Award (Bronze Prize) – Conference on Advances in Data Science. Oct 2022

**University of Calcutta**, Kolkata, West Bengal, India

- **R. C. Bose Memorial Award** – Calcutta Statistical Association (CSA). Dec 2019
- Poster Award (Bronze Prize) – National Seminar for Sample Surveys. Apr 2019

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

- South-East Asia Subsistence Fellowship – University of Calcutta. May 2019
- Taparupa Sen Memorial Prize – St. Xavier's College, Kolkata. Jan 2019

### Travel Awards

- **Research and Presentation (RAP) Travel Award, Graduate & Professional School, Texas A&M University**
  - 14th International Conference on Bayesian Nonparametrics (BNP), Los Angeles, California. Jun 2025
- **Bayesian Nonparametric section of the International Society for Bayesian Analysis (BNP - ISBA)**
  - 14th International Conference on Bayesian Nonparametrics (BNP), Los Angeles, California. Jun 2025
- **National Science Foundation (NSF) Travel Award**
  - International Society for Bayesian Analysis (ISBA) World Meeting, Venice, Italy. Jul 2024
- **Department of Statistics, Texas A&M University**
  - 14th International Conference on Bayesian Nonparametrics (BNP), Los Angeles, California. Jun 2025

<sup>1</sup>Deferred admission in Fall, 2020 due to COVID-19 travel restrictions.

– Joint Statistical Meetings (JSM), Toronto, Canada.	Aug 2023
– 13th International Conference on Bayesian Nonparametrics (BNP), Puerto Varas, Chile.	Oct 2022
• <b>International Indian Statistical Association (IISA) Travel Award</b>	
– International Indian Statistical Association (IISA) Conference, Golden, Colorado.	Jun 2023
• <b>Department of Statistics' Working and Learning Environment (Climate) Committee, Texas A&amp;M University</b>	
– 13th International Conference on Bayesian Nonparametrics (BNP), Puerto Varas, Chile.	Oct 2022
• <b>Institute of Mathematical Sciences, National University of Singapore</b>	
– Conference on Current Trends in Survey Statistics, Singapore.	Aug 2019

## PAPERS AND MANUSCRIPTS

---

### Manuscripts in Preparation / Submitted / under Revision

2. **Das, S.**, Bandyopadhyay, D., Pati, D. (2025+) Deep generative conditional density regression for inference in complex surveys. *In Preparation*.
1. **Das, S.**, Bandyopadhyay, D., Pati, D. (2025+) Scalable Efficient Inference in Complex Surveys through Targeted Resampling of Weights. *Submitted*. [[arXiv](#)] [[code](#)]  
[**Student Paper Award (Honorable Mention)**, ASA Sections on Survey Research Methods, Government Statistics and Social Statistics; **Poster Award (Silver Prize)**, SETCASA]

### Papers Accepted / Published

2. **Das, S.**, Chae, M., Pati, D., Bandyopadhyay, D. (2025) A monotone single index model for spatially referenced multistate current status data. *Biometrics*, 81(3), In Press. [[DOI](#)] [[arXiv](#)] [[code](#)]
1. **Das, S.**, Niu, Y., Ni, Y., Mallick, B.K., Pati, D. (2024) Blocked Gibbs sampler for hierarchical Dirichlet processes. *Journal of Computational and Graphical Statistics*, 34(2), 519–529. [[DOI](#)] [[arXiv](#)] [[code](#)]  
[**Joe Newton Poster Award (Bronze Prize)**, Conference on Advances in Data Science]

## PRESENTATIONS

---

- Scalable Efficient Inference in Complex Surveys through Targeted Resampling of Weights.
  - (*Poster presentation*). 14th International Conference on BNP, Los Angeles, California. Jun 2025
  - (*Poster presentation*). SETCASA Annual Meeting and Poster Competition, College Station, Texas. Apr 2025
  - (*Poster presentation*). Best of Statistical Science (BOSS) Workshop, College Station, Texas. Apr 2025
  - (*Invited talk*). 11th International Triennial Calcutta Symposium on Probability and Statistics, Kolkata, India. Dec 2024
  - (*Poster presentation*). International Society for Bayesian Analysis (ISBA) World Meeting, Venice, Italy. Jul 2024
- A monotone single index model for spatially referenced multistate current status data.
  - (*Contributed talk*). Joint Statistical Meetings (JSM), Toronto, Canada. Aug 2023
- Blocked Gibbs sampler for hierarchical Dirichlet processes.
  - (*Poster presentation*). Theory and Foundations of Statistics in the Era of Big Data, Tallahassee, Florida. Apr 2024
  - (*Selected long talk*). Bayesian Young Statisticians Meeting (BAYSM), Virtual Conference. Nov 2023
  - (*Poster presentation*). International Indian Statistical Association (IISA), Golden, Colorado. Jun 2023
  - (*Poster presentation*). SETCASA Annual Meeting and Poster Competition, College Station, Texas. May 2023
  - (*Poster presentation*). 13th International Conference on BNP, Puerto Varas, Chile. Oct 2022
  - (*Poster presentation*). Conference on Advances in Data Science, College Station, Texas. Oct 2022
- A Review of Single Wave Snowball Sampling as a corollary of Graph Sampling.
  - (*Poster presentation*). National Seminar for Sample Surveys, Kolkata, India. Mar 2019

## TEACHING

---

### Texas A&M University, College Station, Texas, USA

- **Course Instructor**
  - STAT 302: Statistical Methods (Undergraduate Level) Fall 2024  
[Student Enrollment: 108; Teaching Evaluation: Median (Mean) 5.0 (4.5)/5.0; Response Rate: 94%]
- **Guest Lecturer** (Primary Instructor: Dr. Debdeep Pati)
  - STAT 605: Advanced Statistical Computations (Graduate Level) Spring 2024
- **Teaching Assistant**

STAT 652: Statistics in Research II (Graduate Level)	Spring 2026
STAT 611: Statistical Inference (Graduate Level)	Spring 2022
STAT 414: Mathematical Statistics I (Undergraduate Level)	Fall 2021

- **Graduate Assistant**

Open Educational Resources (OER) Textbook Initiative – Contributed to the development of freely accessible materials and assessments for introductory undergraduate statistics courses. Summer 2025

---

## LEADERSHIP ACTIVITIES & SERVICES

---

• Social Chair, <a href="#">Statistics Graduate Student Association (SGSA)</a> , Texas A&M University.	Aug 2023 – Aug 2025
• Student Volunteer, <a href="#">Statistics and Data Science Summer Camp</a> , Texas A&M University.	Jun 2025
• Graduate Student Representative, Department Head Search Committee, Department of Statistics, Texas A&M University.	Mar 2025 – May 2025
• Student Volunteer, <a href="#">National Service Scheme (NSS)</a> , St. Xavier's College, Kolkata.	Jul 2015 – Jun 2018

---

## REFERENCES

---

**Dr. Debdeep Pati** (Ph.D. advisor)  
Professor,  
Department of Statistics,  
University of Wisconsin – Madison.  
Email: [dpati2@wisc.edu](mailto:dpati2@wisc.edu)

**Dr. Yang Ni** (Collaborator & Ph.D. committee member)  
Associate Professor,  
Department of Statistics and Data Sciences,  
The University of Texas at Austin.  
Email: [yang.ni@austin.utexas.edu](mailto:yang.ni@austin.utexas.edu)

**Dr. Dipankar Bandyopadhyay** (Collaborator)  
Professor,  
Department of Biostatistics,  
Virginia Commonwealth University.  
Email: [dbandyop@vcu.edu](mailto:dbandyop@vcu.edu)

**Dr. Alan Dabney** (Teaching mentor)  
Professor & Associate Head for Teaching Excellence,  
Department of Statistics,  
Texas A&M University.  
Email: [adabney@stat.tamu.edu](mailto:adabney@stat.tamu.edu)