Curriculum Vitae

Personal Information

Name	Sayantan Santra
Email	sayantan.santra689@gmail.com
	sayantan.santra@ou.edu
Address	Norman, Oklahoma, US, ZIP - 73071
Languages	Bangla (native), English (fluent), Hindi (fluent) and Sanskrit (intermediate)

Research Interests

I'm interested in Algebraic and Analytic Number Theory, Algebra (specifically Module and Ring Theory) and Category Theory.

Work Experience

2021-(ongoing)	Graduate Teaching Assistant at The University of Oklahoma, Norman, OK, US

Education

2021-(ongoing)	PhD in Mathematics from The University of Oklahoma, Norman, OK, US
2019-2021	M. Math. Mathematics (First Division with Distinction) from Indian Statistical Institute, Bengaluru, Karnataka, India
2016-2019	B.Sc. (Hons.) Mathematics (First Class) from Ramakrishna Mission Residential College, Narendrapur, Kolkata, WB, India
2016	Grade O in Higher Secondary examination
2014	Grade AA in Secondary Examination

Ranks and Scholarships

2016	Received the prestigious INSPIRE SHE scholarship (for the period 2016-2019)
2019	Secured nationwide rank 87 in JAM 2019 and was among the 5 students selected for admission in the prestigious IISc (Indian Institute of Science) for integrated PhD in Mathematics
2019	Was among the 15 students selected for interview at the prestigious CMI (Chennai Mathematical Institute) for M.Sc. in Mathematics
2019	Secured nationwide rank 2 in the M. Math. entrance test of ISI (Indian Statistical Institute)
2019	Secured nationwide rank 10 in CSIR-UGC NET, December 2019.
2019	Got into the top quartile in Simon Marais Mathematics Competition and received a special mention
2021	Was among the 9 students selected for PhD at the prestigious TIFR (Tata Institute for Fundamental Research), Mumbai

Computer Skills

I know the languages C, C++, Python, SageMath, Rust, R, JavaScript, HTML, LaTeX, SQL. I'm also familiar with Linux and shell programming.

Workshops and Projects

2015	INSPIRE Internship during class XI
2017	NPTEL course in Graph Theory (2017) : Got 93% in the certification exam
2020	Category Theory course under Dr. Amit Kuber of IIT Kanpur in September
2021	Project titled "Primes of the form $p = x^2 + ny^2$" under the guidance of Dr. Ramesh Sreekantan of ISI Bengaluru during January-May
2022	Reading course on Modular Forms under the guidance of Dr. Kimball Martin of the University of Oklahoma during January-May

Conferences Attended

2016,17,18	Analytica at St. Xavier's College, Kolkata, India
2022	TORA (Texas-Oklahoma Representations and Automorphic forms) XI from April 1-3 at Oklahoma State University, Stillwater, OK, US

Standardised Tests

- **TOEFL iBT (November 2019)**
  Reading (29), Listening (30), Speaking (25) and Writing (26)
  Total - **110/120**

Extracurricular Activities

I read and write poetry, and read literature. I have published several poems in both my native language Bangla and English. I also like to participate in Quiz. I have competed in state level competitions and won prizes in district level competitions. I love listening to music and watching movies. I think music is an universal language, much like mathematics, that helps us connect with our world.

Declaration

I hereby declare that the details and information given above are complete and true to the best of my knowledge.

Date : May 31, 2022   [SAYANTAN SANTRA]
Place : Norman, OK, US   Signature