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## Education

Shiv Nadar University, Delhi-NCR - M.Sc. Economics	2023-2025
<ul> <li>Dean's List, 2025</li> <li>Semester 1: GPA: 8/10   Semester 2: GPA: 9.4/10   Semester 3: 9.24/10</li> <li>Subjects:</li> </ul>	
<ul> <li>Macroeconomics (I &amp; II) <i>(Distinction)</i>, Econometrics (I &amp; II), Microeconomics (I &amp; II) Economics of Discrimination, Development Economics, Behavioural Economics</li> <li>Postgraduate Dissertation: <i>Caste in Stone? Cultural Distance and the Education Gan</i></li> </ul>	
XIM University, Bhubaneswar - B.Sc. Economics (Hons.)	
<i>with Three consecutive years of Merit Scholarship</i>   <i>Second Ranker</i> • CGPA: 9.47/10	2020-2023
<ul> <li>Subjects: Macroeconomics, Microeconomics, Development Economics, International Economics, Game Theory and Behavioural Economics</li> </ul>	
<ul> <li>Undergraduate Dissertation: Economics of Discrimination: Review of Gary Becker's work and India</li> </ul>	its application on
Research Experience	
1. Research Intern - Development Data Lab PI: Dr. Paul Novosad	Mar 2025 - Present
• Cleaning and writing the codes to incorporate the Annual Status of Education Report (A for India into the Socioeconomic High-resolution Rural-Urban Geographic Platform for Dataset by Development Data Lab.	
	May 2025 - Present
<ul> <li>PI: Dr. Matthew McKay</li> <li>Design and develop an open, accessible undergraduate economics course using PyDy ar for real-time simulation and code execution, teaching scientific computing to tackle issue resource scarcity, and climate change.</li> </ul>	•
3. Research Assistant - A Research Project on Culture and Debt in India	Aug 2024 - Present
<ul> <li>PIs: Dr. Satyajit Chatterjee, Dr. Ashwini Deshpande &amp; Dr. Nirupama Kulkarni</li> <li>Analyzing emigration patterns and debt holdings across different castes, religions, and s the CMIE-CPHS dataset, with a focus on state-wise and district-wise variations in India</li> <li>Investigating loan-taking behavior among various castes and religions, exploring the inference of the context of th</li></ul>	l.
norms and traditions on these financial decisions.	
4. Research Assistant - Ashoka UniversityAPI: Dr. Bhaskar Dutta	pr 2025 - May 2025.
• Replicating the methodologies of a Journal of Development Economics paper using the Education Reports Data (ASER) at the state level.	Annual Status of
<ul> <li>5. Research Assistant</li> <li>"Punishment and Crime: Impact of Death Penalty on Local Crime Rates in India"</li> <li>PIs: Dr. Ashwini Deshpande &amp; Dr. Anisha Sharma</li> </ul>	Dec 2024 - Jan 2025
<ul> <li>6. Research Intern - Center for Advanced Financial Research and Learning (CAFRAL),</li> <li>PIs: Dr. Gautham Udupa &amp; Dr. Vidhya Soundararajan <ul> <li>Converting several Stata codes and writing MATLAB equivalents for a project.</li> <li>Reviewing RBI circulars and identifying important notifications related to Priority Sector India</li> </ul> </li> </ul>	

• Reviewing literature on developmental factors that affect stock market participation and presenting them during the internship at CAFRAL.

**Dissertation and Research Projects** 

Caste in Stone? Cultural Distance and the Education Game	2024 - 25
<i>Master's Thesis</i>   Supervisors: Dr. Partha Chatterjee (Internal) & Dr. Pubali Chakraborty (External) • Developed a three-period macroeconomic model to analyze intergenerational human capital and dimension express sectore and maliging groups in Lydia using CDUS and Serrei Surgery data	l income
<ul> <li>disparities across caste and religious groups in India, using CPHS and Samaj Survey data.</li> <li>Quantified the role of cultural distance in perpetuating intergroup disparities, linking variation i norms to differences in human capital accumulation and income outcomes across social groups.</li> </ul>	
Shedding Light on Consumption: Assessing Night-Time Luminosity as a Predictor of Consumption Expenditure in India	2025
<ul> <li>Software(s) Using: Python   Libraries: Streamlit, Plotly, Tensorflow, Pillow</li> <li>Exploring how night-time light intensity correlates with consumption expenditure across Indian using SECC and DMSP Nightlights data.</li> <li>Using a neural network with TensorFlow &amp; Keras for predictive analysis, with SHAP analysis is</li> </ul>	C
interpretability (collected from SHRUG).	
Tracing Disparities: Educational Spending Before and After Covid-19 Among Social Groups in India	2024
Supervisor: Dr. Gitanjali Sen   Co-author: Manya Pahwa Software(s) Using: Python & STATA	
<ul> <li>Created a Difference-in-Differences model to estimate pre- and post- Covid 19 educational exp trends across different religion and caste groups in India using CMIE-CPHS dataset.</li> <li>Explored possible reasons to understand why every social group was affected differently during pandemic.</li> </ul>	
Review on 'Does Immigration Affect the Long-Term Educational Outcomes of Natives?	2024
Quasi-Experimental Evidence' by Eric Gould, Victor Lavy, and Daniele Paserman Supervisor: Dr. Gitanjali Sen	2024
<ul> <li>Criticizing the original paper, and identifying potential research gaps, and extending the paper.</li> <li>Introducing heterogeneity among the students on the basis of ranks achieved in the class, and ar the causal effect of increased concentration of migrants on the heterogeneous Israeli students.</li> </ul>	alyzing
<b>Does Overconfidence Lead to Procrastination?: A Cognitive Reflection Test Experiment</b> <b>Supervisor:</b> Dr. Punarjit Roychowdhury	2024
<ul> <li>Tried to build a bridge between overconfidence and procrastination.</li> <li>Use of Cognitive Reflection Test to identify overconfident people and studied procrastination b among them.</li> </ul>	ehaviour
An Environmental Kuznet's Curve (EKC) Analysis: A Case Study on Ganga and Yamuna Software(s) Used: STATA, R & Excel	2024
<ul> <li>Supervisor: Dr. Ram Ranjan   Co-author: Manya Pahwa, Shiv Nadar University, India</li> <li>Created Econometric Model to test for EKC in river Ganga and Yamuna.</li> </ul>	
<ul> <li>Analysed pollution patterns and tried to identify the cause of pollution in these rivers.</li> </ul>	
<b>Economics of Discrimination: Review of Gary Becker's work and its application on India</b> <i>Dissertation, B.Sc. Economics, XIM University</i>   Supervisors: Dr. Bharatee Bhusana Dash & Dr. Pi	2022 - 2023 ntu Parui
Teaching	
Shiv Nadar University, India	2023-2024
Graduate Teaching Assistant   Semester - IV (Postgraduate Course)	
• ECO512: Macroeconomics II (Dr. Kurt Horner & Dr. Trishita Ray Barman) Graduate Teaching Assistant   Semester - III	
• ECO302: Intermediate Macroeconomics (Dr. Aditi Singh & Dr. Trishita Ray Barman)	
Graduate Teaching Assistant   Semester - II	

• ECO461: International Economics (Dr. Trishita Ray Barman)

### Graduate Teaching Assistant | Semester - I

• MAT101: Calculus - I (Dr. Niteesh Sahni)

### Software

STATA | Python |  $LAT_EX$  | Markdown | Jupyter Notebook | MATLAB | R | Dynare

# References

Available on request.