Henam Singla

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Education

University of Houston — **Houston, TX**
Ph.D. in Economics (Expected 2027) — *August 2022 – Present*

Indian Institute of Foreign Trade — **New Delhi, India**
M.A. in Economics, GPA: 6.78/9 (Top 1%) — *July 2018 – May 2020*

Kirorimal College, University of Delhi — **Delhi, India**
B.A. (Hons.) in Economics, GPA: 7.568/10 (Top 5%) — *July 2015 – May 2018*

Professional Experience

University of Houston — **May 2024 – Present**
Research Assistant (Economics Dept. and Hobby School of Public Affairs) — *Houston, Texas*
- Collaborated on an audit study with Professor Blake Heller examining the impact of GED on entry-level jobs.
- Worked for Prof. Chinhui Juhn to calculate gender gap in cognitive and non-cognitive skills across 35 countries using PIAAC and ONet datasets.

New York University — **June 2023 – September 2023**
Research Assistant — *Abu Dabi, UAE*
- Assisted Professor Samreen Malik and Professor Jordan J. Norris to apply machine learning algorithms to a primary survey of 2000 firms in New Zealand to predict firm relationships in Python and SQL.
- Responsible for segregating the data in four balanced groups for treatment and control to run the next wave of RCT.
- Implemented decision trees and neural networks to do the link prediction for all pairwise firms and compared all methods for efficiency in Python.

Indian Institute of Management — **May 2021 – May 2022**
Academic Associate (Research and Teaching Assistant) — *Bangalore, India*
- Provided research assistance to Professor Manaswini Bhalla in studies related to child and women policies policies for Karnatka, Andhra Pradesh and Tamil Nadu (project for UNICEF).
- Worked as a research assistant to Professor Ritwik Banerjee for a project involving randomized control trials in 38 schools of choice (kendriya vidyalaya) and cleaning and analysing the data.
- Attended seminars at *Economics & Social Sciences* department and workshops and organised *BINS Conference 2021*.

Center for Digital Economy Policy Research, New Delhi — **June 2020 – March 2021**
Research Assistant — *New Delhi, India*
- Co-authored Research Paper titled: "Estimation of Economic Impact of Open Digital Ecosystems" with Dr. Jaijit Bhattacharya and Professor P. Vigneswara (Indian Institute of Technology, Delhi) estimating the quantitative value of opening public portals such as Health, Education data to the private sector.
- Conducted virtual interviews at Common Services Center (CSC) regarding employer's perceptions on digital services such as internet and prepared a report for the government to act.
- Collected data through primary research for the paper and met with several executives from Omidyar Network, NGOs and senior economists in Delhi.

Research

Published Papers

- Bhattacharya, J., Bhattacharyya, R., Singla, H., Ilavarasan, P.V. (2022). Estimation of Economic Impact of National Open Digital Ecosystems. In: Senjyu, T., Mahalle, P.N., Perumal, T., Joshi, A. (eds) ICT with Intelligent Applications. Smart Innovation, Systems and Technologies, vol 248. Springer, Singapore.
  https://doi.org/10.1007/978-981-16-4177-0₄

Fellowships

- Presidential Fellowship, University of Houston (2022-2024)

- Graduate Tuition Fellowship, University of Houston (2022-2027)

Relevant Coursework

- **PhD Level**
- Microeconomics I and II (A-)
- Macroeconomics I and II (A)
- Econometrics (A-)
- Probability & Statistics (A)
- Econometrics II (A-)
- Labor & Social Economics (A)

- **Masters' Level Courses**
- Advanced Econometrics
- Mathematics for Economics
- Investment Theory
- Casual Inference
- Business Statistics
- Corporate Finance
- Empirical Issues in Trade

- International Micro & Finance
- Applied Econometrics
- Development Economics
- Advanced Topics in Macroeconomics
- International Financial Management

Leadership / Extracurricular

Girls Who Code   **November 2024 – Present**
President   *University of Houston*
- Led organizational efforts for Girls Who Code, coordinating events, inviting speakers, and hosting interactive Q&A sessions with a focus on advancing coding skills and inspiring innovation.

TEAMS Workshop   **April 2024**
Organizing Member   *University of Houston*
- Organized the Applied Microeconomics workshop for all Texas Econ PhD students.
- 50+ participants participated and presented their applied microeconomics papers and got useful feedback.

EIITF Conference   **December 2020**
Organizing Member   *Indian Institute of Foreign Trade*
- Organized and managed the paper presentation of sessions and served as discussant for technical sessions.
- Published summaries of conference papers in the school magazine.

Pareto Times (Economics' Society)   **July 2015 – May 2018**
Senior Executive Member   *Kirori Mal College*
- Organized conference and contributed for the annual magazine – 'Oikos' (one of the oldest magazine of Delhi University).

Teaching Experience

Intermediate Microeconomics & Economcis of Public Finance   **Spring 2024**
University of Houston, TA for Prof. Steven Craig   *Houston, USA*

Intermediate Microeconomics & Economics of Microfinance -   **Fall 2023**
University of Houston, TA for Prof. Piruz Saboury   *Houston, USA*

Introduction to Economic Data Analysis -   **Fall 2022, Spring 2023**
University of Houston, TA for Prof. Natalia Zhivan   *Houston, USA*

Econometrics for Consultants -   **May 2021 – September 2021**
Indian Institute of Management, TA for Prof. Tirthatanmoy Das   *Bangalore, India*

Multinational Corporations -   **September 2021 – Present**
Indian Institute of Management, TA for Prof. Kunal Dasgupta   *Bangalore, India*

- Conducted discussions with students to review concepts and to build problem-solving skills
- Assisted Professor to prepare the coursework and do research work for the class
- Maintained office hours for attending to students' queries & graded students' tests, assignments, and homeworks

Test Scores

GRE Quants: 170, Verbal: 161 **TOEFL**: 114

Technical Skills

Languages *Proficient:* Stata, R, Python, LaTeX *Basic:* SQL, E-Views, SPSS, Bloomberg, GRETL
Technologies/Frameworks: GitHub, Matlab, WordPress