

Henam Singla

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EDUCATION

University of Houston

M.A. in Economics, GPA: 3.68/4

Houston, TX

August 2024

Indian Institute of Foreign Trade

M.A. in Economics (specialized in Finance), GPA: 6.78/9

New Delhi, India

May 2020

EXPERIENCE

Data Scientist

Enerpact

January 2023 – Present

Remote

- Projected oil and gas production with statistical modeling and increased the success rate of new well projects by 30%.
- Developed SQL databases and designed stakeholder dashboards for cash flow projections.
- Built and deployed a Python application to predict and display oil and gas production futures, increasing user adoption by 25%.

Data Consultant

New York University

June 2023 – September 2023

Remote

- Implemented deep learning models in Python to analyze firm relationships using survey data from 2000 firms.
- Improved firm-to-firm link prediction accuracy by 15% through supervised machine learning and optimization techniques.
- Applied NLP techniques to process and analyze unstructured text data, extracting features for firm behavior prediction models, improving model training performance by 60%.

Doctoral Researcher

University of Houston, Department of Economics and Hobby School of Public Affairs

August 2022 – Present

Houston, TX

- Applied econometric and statistical modeling techniques to assess the impact of GED on entry-level job access.
- Developed predictive models to quantify the gender gap in cognitive and non-cognitive skills using global and ONet datasets.

Data Analyst

Indian Institute of Management

May 2021 – May 2022

Bangalore, India

- Conducted statistical analysis of policy interventions impacting over 100,000 beneficiaries across multiple states.
- Designed visualization reports in Power BI to communicate insights from economic research, aiding decision-making for policymakers.

Data Scientist

Zerone Microsystems

June 2020 – March 2021

New Delhi, India

- Led a team of 5 to develop a smartphone-based system improving payment efficiency.
- Designed real-time anomaly detection algorithms for digital payments, enhancing fraud detection capabilities.
- Authored a [research paper](#) quantifying the economic value of open data portals for the private sector.
- Developed NLP-based entity resolution techniques to clean and match financial transaction data across multiple sources.

TECHNICAL SKILLS

Languages: Python (7 years, expert), SQL (5 years, proficient), R, Stata

Visualisation Tools: Tableau, Pwower BI, Looker

Certifications: Machine Learning, Deep Learning Specializations (Coursera)

SOCIETIES AND CLUBS

- **President**, Girls Who Code, October 2024 - Present
Led organizational efforts, coordinated events, and hosted interactive Q&A sessions to advance coding skills.
- **Member**, Rewriting the Code, September 2024 - Present
- **Mentee**, Ignite Leadership Program, August 2024 - December 2024
Engaged in leadership training for personal and professional growth.
- **Coordinator**, Applied Microeconomics and Causal Inference Group, August 2024 - Present