

Animesh Shrestha

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Education

Georgia State University, BS/MA Economics, BS Mathematics Expected Dec 2027

- GPA: 4.15 ([unofficial transcript](#))
- **Coursework:** Intro to CS 2, Statistical Methods, Linear Algebra, Calculus 3, Discrete Math, Econometrics, Mathematical Statistics (Grad Level), Microeconomics Analysis (Grad Level)
- **Honors:** Full Ride Presidential Scholarship, President's List, University Assistantship Program

Research Experience

Research Asst. to Dr. Soo Jin Kim, Department of Economics, GSU – Atlanta, GA Aug 2025 - Present

- Conduct econometric analysis on the effects of U.S. Free Trade Agreements on foreign aid flows across partner countries.
- Clean, merge, and analyze large-scale datasets from the World Bank, OECD, and FRED using Stata and Python to build a balanced country-year panel.
- Estimate OLS and robustness models to evaluate policy impacts and support ongoing research development.

RIMMES Program, Department of Mathematics, GSU – Atlanta, GA Aug 2024 - May 2025

- Conducted independent research under the mentorship of Dr. Yichuan Zhao, focusing on statistical and socioeconomic analysis of the Nepalese diaspora in the U.S.
- Performed data cleaning and exploratory analysis on 300,000+ records from the American Community Survey using Python (NumPy, pandas).

- Authored macroeconomics papers for central bank and financial institutions, among others
- Collected and visualized economic data and insights from World Bank and International Monetary Fund

Supplemental Instruction Leader, Department of Mathematics, GSU – Atlanta, GA Aug 2025 - Present

- Led weekly Calculus I review sessions for 120+ students, strengthening conceptual understanding and quantitative problem-solving through structured peer learning.
- Designed study materials and tracked performance patterns to improve session effectiveness and student engagement across sections..

Undergraduate Lab Assistant, Department of Mathematics, GSU – Atlanta, GA Aug 2024 - May 2025

- Supported the Math Lab as a tutor for College Algebra and Precalculus students, assisting with coursework, assignments, and exam preparation.
- Provided individualized guidance to help students strengthen mathematical foundations and improve readiness for higher-level math courses.

Conference Presentation

- "A Socioeconomic and Demographic Analysis of Nepalese Diaspora in the United States," Georgia State University Undergraduate Research Conference, Atlanta, GA, April 2025.

Leadership & Projects

Opportunities Director, Economics Club @ GSU [streamlit](#)

- Developed the club's first AI-powered internship web app with Python, Streamlit, and OpenAI API, helping 245+ students access curated finance, consulting, and economics opportunities.
- Curate and update a database of 100+ internships and coordinate speaker events and cross-university

collaborations to expand professional connections.

Debt-Relief, HackGT 2025

[github repo](#)

- Developed a Flask-based web app that integrates the Capital One Nessie API to simulate personalized debt-repayment strategies using user-provided income, expenses, and debt data.
- Designed backend logic to forecast payoff timelines and visualize repayment plans, enabling users to compare strategies and make data-driven financial decisions.

Technical Skills

Programming Languages: Python, Stata, SQL, R, Java, LaTeX

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Streamlit, Flask

Tools & Technologies: Git, GitHub, Jupyter Notebook, VS Code, Excel

References

Dr. Soo Jin Kim, Assistant Professor of Economics
Department of Economics, Georgia State University
(404) 413-0257, soojinkim@gsu.edu

Dr. Miracle Rose-Toppar, Assistant Professor of Economics
Department of Economics, Georgia State University
(404) 413-0048, mtoppar@gsu.edu

Dr. Yichuan Zhao, Full Professor of Statistics
Department of Mathematics and Statistics, Georgia State University
(404) 413-6446, yichuan@gsu.edu