

# Ritvik Vasikarla

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## EDUCATION

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### Texas A&M University

*BS in Economics & Statistics; Minor in Mathematics*

GPA: 3.5

Relevant Coursework: Econometrics, Intro to C++, Data Science, Statistical Computing

**Aug 2023 - May 2025**

*College Station, TX*

### University of Wisconsin-Madison

*BS in Economics*

GPA: 3.5

**Aug 2021 - May 2022**

*Madison, WI*

## PROJECTS

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### Replication Study on Nathan Nunn's Research

**Mar 2024 – May 2024**

- Conducted a 20-year time series replication of Nathan Nunn's study using double lasso regression, revealing a 90% average increase in standard error
- Designed and implemented a robust econometric analysis process that tested the validity of 50+ economic variables in relation to economic development

### Stock Price Prediction Model

**Feb 2024 – Mar 2024**

- Implemented LSTM neural networks, linear regression, and time series analysis in Python, achieving a prediction accuracy of 98% on Yahoo Finance stock data
- Enhanced model performance by optimizing hyperparameters through grid search and cross-validation, resulting in a 15% reduction in mean absolute error (MAE)

### Fantasy Football Analyzer

**Nov 2023 – Dec 2023**

- Engineered robust predictive models utilizing Python and Pandas, outperforming conventional analysis techniques by integrating statistical methods
- Resulted in a 30% increase in predictive accuracy compared to traditional methods

## WORK EXPERIENCE

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### Undergraduate Research Assistant

**Aug 2023 – Present**

*Department of Economics*

*College Station, TX*

- Conducted advanced statistical analyses on over 20,000 data points utilizing Python, leading to the identification of critical user behavior patterns that directly influenced product development priorities
- Prepared reports and presented a research project analyzing the impacts of political affiliation on electric vehicle adoption

### Texas A&M Economics Society

**Aug 2022 – Present**

*Marketing Officer*

*College Station, TX*

- Facilitated eight interactive workshops that improved economic literacy, with 80% of participants reporting increased understanding of financial concepts, contributing to enhanced academic performance in economics courses.
- Initiated and managed social media campaigns resulting in a 150% increase in new members to grow the Economic Society's organization further

## LEADERSHIP

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### The Big Event

**Aug 2022 – Present**

*Jobsite Team Leader*

*College Station, TX*

- Orchestrated a team of 10 volunteers, coordinating efforts to give back through various projects and activities, enhancing community relations
- Guaranteed completion of all assigned tasks to the utmost satisfaction of community members, adhering to project specifications and exceeding expectations in service quality and impact

## SKILLS | CERTIFICATIONS | AWARDS | ACTIVITIES

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Skills: Python; C++; SQL; R

Activities: Economic Society, Data Science Club, Tamu Datathon

Awards: Presidential Scholar, Deans List