

# Goutham Sai Pydi

Bachelor in Science-Master in Science (in Mathematics & Statistics)  
Indian Institute of Science Education and Research,Kolkata

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## PROJECTS

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### •Master Thesis in Economics

[Click here for the Project](#)

- Year long project under Prof. Pranab Kumar Das, Center for Studies in Social Sciences, Calcutta
- My Guide and I are committing to publishing the above work soon  
[Click here for the presentation](#)
- Technology Used: R, Microsoft Excel, L<sup>A</sup>T<sub>E</sub>X

### •Term Paper on Risk Modelling

[Click here for the Project](#)

- Studying the Volatility of Monthly Returns of S&P BSE SENSEX using GARCH Time Series models
- Technology Used: R,Python, Microsoft Excel, L<sup>A</sup>T<sub>E</sub>X

### •Econometric Modelling using Public Labour Force Survey Data

- Used General Linear regression model and Logistic Regression to find interesting causal relationships between various variables in the survey data
- Technology Used: R, R Markdown, Microsoft Excel

### •Data Science Project using R programming

[Click here for the Project](#)

- Software Used: R, Microsoft Excel, L<sup>A</sup>T<sub>E</sub>X

## EDUCATION

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### –Indian Institute of Science Education and Research,Kolkata

2018-23

*Integrated 5 Year Bachelor of Science-Master of Science in Mathematics*

CGPA:7.06

### –Narayana Junior College, Hyderabad - Senior Secondary

2017

Percentage:93.6%

### –The Hyderabad Public School, Hyderabad - Secondary

2015

CGPA:9.6

## WORKING PAPERS

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- Understanding the Volatility of Interest Rates of Government Securities vis-à-vis Stock Returns of Major Stock Indices of India

## EXPERIENCE

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### •Teaching Assistantship for the course of “Introduction to Economics” , IISER Kolkata

Jan 2023 - May 2023

### •Mathematics Tutor @Ek Pehal, IISER Kolkata

*Teaching kids from the nearby villages around IISER Campus*

Jan 2018 - May 2020

## TECHNICAL SKILLS AND INTERESTS

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**Languages:**Telugu, English and Hindi

**Computer Languages:**R, Python,MATLAB

**Computer Skills:**L<sup>A</sup>T<sub>E</sub>X, Microsoft PowerPoint, Microsoft Word, Microsoft Excel

**Areas of Interest:** Data Analysis, Regression Analysis, Economic Research

**Hobbies:** Reading,Chess,Swimming,Rubik's Cube