

Ayanik Anwesh Patra

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Examination	University	Institute	Year	CGPA /%
Post Graduation	I.I.T Delhi	I.I.T Delhi	2021-23	9.44
Graduation	Utkal University	B.J.B Autonomous College	2018-21	9.04
Intermediate/+2	C.B.S.E	Mothers' Public School	2016-18	93.4 %
Matriculation	C.B.S.E	O.D.M Public School	2016	10

ACADEMICS, ACHIEVEMENTS AND ACCOMPLISHMENTS

• Academics

- Secured All India Rank 56 in Joint Admission Test (JAM) for Master in Science (Aug' 21)
- Consistently secured above 9.5 GP in all the semesters of MSc Economics at IIT , Delhi
- Qualified for NET -JRF on December 2023

• Accomplishments

- Selected for 101st National Science Congress on Pedi-Power-Shoes. (Jan'15)

WORK EXPERIENCE

• Assistant Professor , P.G.D.A.V College , University of Delhi

(May'25- ongoing)

- Currently serving as an Assistant professor in Department of Economics at P.G.D.A.V College (M), University of Delhi

• Research Apprenticeship at University of Virginia, USA

(July'23-Dec'23)

- Worked as Research Assistant for Ritika Gupta under Prof Sheetal Shikhri on the *research question*: Equity Conundrum: Unintended Consequences of College-Level Affirmative Action on the Labor Market
- Was primarily tasked for data collection through fictitious CV applications in hundreds of companies and record the responses. The job was to analyse whether there exists gender disparity in employment before and after the implementation of the supernumerary policy in IITs in 2018 as a mean of affirmative actions.

• SUBJECT MATTER EXPERT CHEGG INC.

(Oct'22-Present)

- Working as a *Subject Matter Expert in Economics*
- Helped students across the globe by solving their doubts, presenting in an articulate manner for easy comprehension

POSITION OF RESPONSIBILITY

• Served as the Boys Secretary during Graduation at B.J.B Autonomous College, Odisha

(Jun'18-July'21)

• National Seminar on Agriculture by NABARD

(March'2020)

- Main event organiser of the National Seminar on Agriculture sponsored by NABARD held at B.J.B Autonomous College, Odisha

MAJOR PROJECTS

• Comparative analysis of Mid Day Meals provision in state of Gujarat and Odisha

(Mar'22, Prof. Reetika Khera)

- Transformed a complex Govt. dataset containing intricate and multifaceted information into a comprehensible format that could be easily examined for insights on variables such as enrollment, budget, and other significant parameters
- Analysed the trends of various facets of Mid Day Meals provision like total enrollment, employment rate of cook cum helpers and their demographics , total funds allotted and leakages etc. , compared in states of Gujarat and Odisha

Link

• General Equilibrium and Competitive Allocation

(June'22, Prof. Saurabh Paul)

- This project is a self-endeavor and is currently in the continuation phase. The primary motive of the project is to find **pareto optimality and competitive equilibrium** allocation in a two-consumer economic model for any given utility function and endowment bundle, popular in microeconomics.

- Currently the program code supports for all **concave utility functions** and some **leontiff production functions**

Link

- **Does Stock Market Development Causes Economic Growth:** (Dec'22 , Prof. Sourabh Paul)
 - Established the flow of causality between Stock Market Development (through various proxies) and Economic Growth
 - The project mainly employs **Toda-Yamamoto Causality Test** and it was established that there exist a bi-directional causality between Stock Market Volatility and GDP. However, there runs a uni directional causality from GDP to Stock Market Capitalisation and no empirical causation between Turnover and GDP, conducted exclusively in R
- Link

- **Political Economy of Public Health Expenditure:** (Feb'22 ongoing , Prof. Sourabh Paul)
 - * **Research Hypotheses for MSc Thesis:** Do Political Competition and Political Representation affects Public Health care expenditures, Insights from South Asian Countries.
 - Analyzed public health spending in 17 South Asian countries, accounting for geopolitical and socio-economic significance. Imputed missing political data by studying history and incorporating various mathematical techniques.
 - Found positive association of political competition (measured as **Herfindahl Hirschman Index** of the government) with per capita GDP! , signifying as the country becomes more *autocratic or uni-party*, it tends to spend more on per capita public healthcare
 - Women's representation statistically affects budgetary allocation on health at a 10 percent significance level
 - The extent to which a nation adheres to a constitutional republic framework significantly influences the elasticity of healthcare expenditure *inferred by analyzing the moderation effect*
- Link

TECHNICAL SKILLS

- **Programming Languages:** R,Python
- **Softwares:** Excel,Tableau, STATA,IBM Db2 \LaTeX

EXTRA-CURRICULARS

- Secured 3rd position in debate competition held at BJB College, Odisha
- **Interest:** Billiards ,Badminton ,Powerlifting, Boxing | Won Bronze medal in Bhubaneswar Taekwondo Championship
- Apart from all these, I am very fond of Apiculture.

RELEVANT COURSES DONE AT IIT

- Mathematical Economics, Microeconomics I & II ,Macroeconomics I & II, Development Economics, Probability And Statistics For Economics, Advanced Econometrics, Advanced Economics Lab, Time Series Econometrics and forecasting