SHOBI IVA GUNDAVARAPU

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EDUCATION

Shiv Nadar University, Chennai *September 2022 - Present*
BSc. Economics Data Science CGPA: 8.043/10
Member of Core Committee of Economics Association

National Public School, Chennai *June 2007 - May 2022*
Grade 12 Marks: 426/500

SKILLS AND STRENGTHS

Computer Languages	Python, R, SQL
Databases	MySQL, Microsoft Excel

EXPERIENCE

VSEP, Chennai 7th May, 2024 - 30th June, 2024
Summer Research Intern

· Co-authored a research paper on the nexus between agricultural carbon emissions and agricultural economic growth in India.
· Data extracted and analyzed for a study of decoupling and decomposition, ensuring accuracy and relevance.
· Applied decomposition analysis techniques to explore the nexus between agricultural growth and carbon emissions.
· Closely collaborated with experienced faculty members, learning from their expertise while contributing innovative ideas to the research process.

PROJECTS

Analysis on Crossbreed Silk Market – CHANNAPATNA, KARNATAKA. Big Data Analytics

· Handled and analyzed 1000+ data points from PDFs using Python, studying price trends and fluctuations in the Channapatna sericulture market over the past 3 years.
· Data cleaning and visualization were performed and pivot tables were used to assess factors that impact market trends, providing information for future sericulture production.

SDG 6 - Clean Water and Sanitation with thte Institute of Sustainable Development (NGO) Development Economics

· Interviewed villagers to understand the challenges of water and sanitation.
· Assessed how effective ISD programs were in improving access to clean water and promoting sustainable sanitation in rural areas.
· Presented potential solutions to problems faced by the the villages

Exploring the Indian Economy Through Diverse Perspectives Indian Economy

· Conducted interviews from various demographics, performing thematic analysis to assess perceptions of India's economic changes over time.
· Analyzed the influence of economic, political, and technological shifts on different social groups, focusing on gender, age, socioeconomic status, and caste.

Financial Inclusion of Women in Tamil Nadu — Ongoing Honors Dissertation

· Analysis of the current state of financial inclusion of Women in Tamil Nadu through primary and secondary data.
· Impact assessment of PMJDY through data.

Analysis of India's Automobile Industry — Industrial Economics

· Analyzed market concentration, barriers to entry, price-cost margins, and annual turnover growth of the top 20 automobile industries in India.
· Analyzed the strategic practices they use to reduce competition and hold market power

Analysis of WTO Trade Disputes (2019-2024) — International Economics

· Examined 10 key trade disputes, identifying underlying issues, resolutions, and implications for global trade dynamics.
· Suggested recommendations for the resolution of each disputes.

RELEVANT COURSES

Core Courses	Other Courses
Microeconomics I and II	Python Lab & R Programming
Macroeconomics I and II	MS Excel:Advanced
Money and Banking	Probability and Statistics
International Economics	Calculus & Integrals
Financial Economics (ongoing)	Introduction of AI
Derivatives and Risk Management (ongoing)	Introduction to Data Science
Financial Modeling (audit) (ongoing)	Game theory
	Data Science: R Basics (Harvard EdX)

CO-CURRICULAR ACTIVITIES

Member of the Core Committee of Economics Association, SNU Chennai.

Organizing Team Member in tech fest "Invente". Events - EcoNexus and Youth Economic Summit (YES).

Attended a workshop on Econometrics.