

Jay Kulkarni

Website: jayvilaskulkarni.github.io
Email: jay.kulkarni@studbocconi.it
LinkedIn: [jay-kulkarni-econ](#)

SUMMARY

Quantitatively trained economist interested in fundamental research. Experience in economic and statistical modeling on big data. Effective communicator. Fluent in Python and R, Linux CLI, and SQL querying. Applied AI enthusiast.

EDUCATION

Università Bocconi

Milan, Italy

M.Sc in Economic and Social Sciences, GPA: 94/110

2022–2025

- ICRIOS visiting Student (2023-2024): Program focused on empirical research methods training
- *Thesis*: “Do Social Network Categories Affect Cognitive Functioning of the Elderly? Assessing Heterogeneities in SHARE.” under Prof. Arnstein Aassve. *Thesis grade*: 8/8
- *Relevant Coursework*: **Macroeconometrics**; **Advanced Macroeconomics**; **Advanced Statistics**; **Econometrics**; Population Dynamics and Economics; Development Economics; Labour Economics; Public Economics; **Economic Analysis of Crime**.
- *Skills learnt*: Macroeconomic forecasting; leveraging micro-data to fit complex parametric models

Azim Premji University

Bangalore, India

B.A (Honours) in Economics, Minor: Development, CGPA: 9.02/10.00

2019–2022

- *Honours Thesis*: “India’s Pandemic through the lens of consumption expenditure” under Dr. Amit Basole. *Thesis grade*: 94.42 percent.
- *Subjects*: **Computational Economics**; Climate Change Economics; Intermediate Microeconomics; Political Economy; Structural Change, Growth and Development; **Econometrics**; **Money, Banking and Finance**.

Rishi Valley School, KFI

Madanapalle, India

ICSE, ISC

2013–2019

- Scored 100 percent in Economic Applications; School basketball captain between 2018–2019

EXPERIENCE

XKDR Forum

Mumbai, India

Research Associate (Fields: Household and Public Finance)

September 2025-Current

- Used household data to identify the role of diverse financial assets on liquidity management. [Article]
- Leading a research collaboration with Google on using LLMs to extract fiscal document data. Early work presented at **ACM ICAIF 2025 conference, Singapore**.
- Editor of the **XKDR Newsletter**; Manager of proprietary household databases on the organization’s compute environment; organized conference: **LEPC 2025**.

ICRIOS, Bocconi University

Milan, Italy

Research Assistant (**Data and Analytics**) to Prof. Nilanjana Dutt

June 2024-August 2025

- Used **Refinitiv-Eikon**’s daily stock price data to calculate cumulative abnormal returns of listed firms.
- Actively managed **Moody**’s firm subsidiary data on Bocconi’s High Performance Computing Cluster using command-line interface.
- Coordinated with multiple stakeholders, Data and IT teams; Presented **actionable insights from data**.

- Successfully web-scraped the Tenders Electronic Daily site to create a large dataset of contracts in the EU.

Centre for Sustainable Employment

Research Assistant to Prof. Amit Basole and Prof. Anand Shrivastava

Bangalore, India

Summer 2022

- Analysed a large panel data in **R** on **AWS** server (cleaning, exploratory and descriptive analysis, regressions)
- Published a *working paper* and did *poster presentation* at APU Annual Research Conclave 2023.

SKILLS

- **Statistical Software:** **R** and **Stata**(Data cleaning, summary statistics, descriptive graphs, regression models)
- **Programming:** **Python** (Web-scraping, text analysis, dynamic spatial visualization, social network analysis)
- **Typesetting:** **L^AT_EX**(articles and presentations with bibliography), **R Markdown** (documenting code)
- **Linux:** Command Line Interface (CLI) for writing, running and debugging code on servers.

LANGUAGES

English: Proficient (TOEFL iBT: 110/120), **Hindi:** Intermediate, **Marathi:** Native, **Italian:** B1

PROJECTS AND PUBLICATIONS

- **Published Paper** co-authored with Amit Basole, Anand Shrivastava, and Akshit Arora.
Basole, A. et al. (2026) Regressive income shocks during India’s Covid-19 lockdown: evidence from two surveys. *Applied Economics Letters*, 1–5. Available at: <https://doi.org/10.1080/13504851.2026.2685216>
- **Working Paper** co-authored with Vikram Aggarwal, Ajay Shah, Susan Thomas, and others.
Aggarwal, V. et al. (2025) Information Extraction From Fiscal Documents Using LLMs. *ACM ICAIF 2025*, Singapore. Available at: <https://doi.org/10.48550/arXiv.2511.10659>
- **Postgraduate Thesis** (April 2025): Examined the association between social networks and cognitive functioning of the elderly in Europe. Highlighted the need to understand *quality* of social networks and the advantage of institution-led elderly care in explaining regional heterogenities. Available at: <https://jayvilaskulkarni.github.io/projects/PRJpgthesis/>
- **Article** with Susan Thomas in *The Leap Blog* (July 2025): “Households that live within their means in India”. Available at: <https://blog.theleapjournal.org/2025/07/households-that-live-within-their-means.html>
- **Python Tutorial** (Sept 2024): “A guide to webscraping using python + selenium”. Used insights from my workflow to create this webscraping tutorial. Available at: <https://jayvilaskulkarni.github.io/blog/BI20240827data/>

BADGES

