

# Jay Vilas Kulkarni

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## EDUCATION

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### Università Bocconi

Milan, Italy

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

2022–2025

- ICRIOS visiting Student (2023-2024).  
*Thesis*: “Do Social Network Categories Affect Cognitive Functioning of the Elderly? Assessing Heterogeneities in SHARE.” under Prof. Arnstein Aassve. *Thesis grade*: 8/8
- *Subjects*: Macroeconometrics; Advanced Macroeconomics; Advanced Statistics; Econometrics; Population Dynamics and Economics; Development Economics; Labour Economics; Public Economics; Economic Analysis of Crime.

### Azim Premji University

Bangalore, India

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

2019–2022

- Honours thesis 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

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### ICRIOS, Bocconi University

Milan, Italy

Research Assistant to Prof. Nilanjana Dutt

June 2024–Current

- Successfully web-scraped the Tenders Electronic Daily site to create a large dataset of contracts in the EU.
- Actively managed **Moody's** firm subsidiary data on Bocconi's High Performance Computing Cluster using CLI.
- Used **Refinitiv-Eikon's** daily stock price data to calculate cumulative abnormal returns of listed firms.
- Presented **actionable insights from data**. Participated in the ‘2024 Bocconi Non-Market Strategy Workshop’.

### Laboratory for Effective Anti-poverty Policies (LEAP), Bocconi University

Milan, Italy

Research Assistant to Prof. Andrea Guariso

Summer 2023

- Gathered, cleaned and analyzed data: PEW (survey data), Murdock (spatial data). Produced replication code.
- Used a specialized package in R (LEDA) to match ethnicities in two datasets using closest distance to a hierarchical language tree.

## SKILLS

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- **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<sup>A</sup>T<sub>E</sub>X**(articles and presentations with bibliography), **R Markdown** (documenting code)
- **Linux**: Command Line Interface (CLI) for writing, running and debugging code on servers.

## LANGUAGES

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

## WRITING

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- **Working Paper** co-authored with Prof. Amit Basole, Prof. Anand Shrivastava, and Akshit Arora. Basole, A. et al. (2024) Regressive income shocks during COVID-19: Evidence from India, Azim Premji University. Available at: <https://azimpremjiuniversity.edu.in/publications/2024/cse-working-paper-series/regressive-income-shocks-during-covid-9-evidence-from-india>
- **Blog Article:** “A guide to webscraping using python + selenium”. I used insights from my workflow to create this webscraping tutorial. Available at: <https://jayvilaskulkarni.github.io/blog/BI20240827data/>
- **Undergraduate Honours Thesis:** Examined the impact of COVID-19 on India’s consumption expenditure. Used regression framework on a large nationally representative repeated panel dataset (CMIE-CPHS). Reported a robust finding along with a mechanism that explained it.
- **Applied Linear Algebra term paper:** Successfully applied concepts from linear algebra (Markov chains, stochastic matrices and eigenvectors) to demonstrate how hypothetical firms reached a converging decision over repeated interactions.
- **Climate Change Economics term paper:** Used a large cross-country panel dataset to examine the effect of climate change on total factor productivity growth. Demonstrated understanding of climate change models and macroeconomic theory (Solow’s growth model). Used econometric tools to evaluate real-world data.

## BADGES

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