

Arthish Banerjee



RESEARCH ASSISTANT
Indian Institute of Management Calcutta
Diamond Harbour Road, Joka, Kolkata 700104
INDIA



arthishbanerjee@gmail.com
arthishbanerjee.github.io

EXPERIENCE	Indian Institute of Management Calcutta Research Assistant (for Prof. Somdeep Chatterjee)	Kolkata, India Feb 2025 - present
	<ul style="list-style-type: none">Extracted more than 1 terabyte of administrative data in relational database formats supplied by electricity DISCOMs in Rajasthan from MSSQL and Oracle database backups, into CSV.Leveraged parallel processing in Python's dask package to clean and transform CSV datasets with more than 200 million rows.Accessed and utilised the Google Geocoding API to gain lat-long values from addresses for more than 300,000 households.Linked datasets with satellite-image-derived data like that of floods and heat using QGIS to allow for novel exploration.Used selenium in Python to systematically scrape Indian roads data with robust failure-checking mechanisms.Delivered high-quality reports by conducting interviews and consistently meeting deadlines in a government consulting project dealing with investment promotion in Northeast India.	
EDUCATION	Indian Institute of Foreign Trade <i>M.A., Economics (with specialisation in Trade and Finance)</i> Courses: Micro I and II, Macroeconomics, International Trade, Mathematics for Economics, Applied Econometrics	India 2022 - 2024
	University of Calcutta <i>B.Sc., Economics (Honours)</i> Courses: Introductory Microeconomics and Macroeconomics, Probability, Introductory Econometrics	Kolkata, India 2018 - 2021
	Indian Institute of Technology Madras <i>Diplomas in Data Science and Programming</i> Courses: System Commands, Data Structures and Algorithms, Machine Learning Foundations, Business Analytics	Chennai, India 2021 - Apr 2026

MA THESIS	<p>Title: <i>Unwrapping the Labels: Consumer, Producer and Government Decision-Making Under Greenwashing</i></p> <p>Guide: Dr. Oindrila Dey, IIFT</p> <p><i>Using theoretical frameworks of technology adoption under uncertainty, signalling and vector bargaining to explain and analyse greenwashing, I found that all firms would want to increase lobbying for subsidies to take-up costs in a corporatocratic government system. On the flipside, lobbying for higher operational cost subsidies would be dependent on the net present value of firm profits.</i></p>	
INTERNSHIP	<p>Ministry of Commerce & Industry, Govt. of India Summer Intern, Gem & Jewellery Div., Dept. of Commerce</p> <ul style="list-style-type: none">• Analysed the global diamond industry performance as a whole & the rough diamond sector in particular using Kimberley Process & other public and Ministry data.• Utilised R language and time-series forecasting using ARIMA models to forecast the future rough diamonds prices from various global exporting countries to India.• Prepared a detailed report on the past, present and future of rough diamonds across the world, and proposed possible policy recommendations for India to remain profitable in its large diamond-cutting industry.	<i>New Delhi, India</i> Jun - Jul 2023
CONFERENCES	9th International Conference on Empirical Issues in International Trade and Finance, 2024	
LANGUAGES & SKILLS	English (primary, fluent), Bengali (native) Python, L ^A T _E X, R, Julia, Stata, Eviews	
REFERENCES	<p>Prof. Somdeep Chatterjee Associate Professor, Economics Indian Institute of Management Calcutta somdeep@iimcal.ac.in, +91 33 7121 2028</p>	<p>Dr. Oindrila Dey Assistant Professor, Economics Indian Institute of Foreign Trade oindrila@iift.edu</p>