

Arthish Banerjee



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EXPERIENCE	<p>Indian Institute of Management Calcutta Research Assistant (for Prof. Somdeep Chatterjee)</p> <ul style="list-style-type: none">• <i>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.</i>• <i>Leveraged parallel processing in Python's <code>dask</code> package to clean and transform CSV datasets with more than 200 million rows.</i>• <i>Accessed and utilised the Google Geocoding API to gain lat-long values from addresses for more than 300,000 households.</i>• <i>Linked datasets with satellite-image-derived data like that of floods and heat using QGIS to allow for novel exploration.</i>• <i>Used selenium in Python to systematically scrape Indian roads data with robust failure-checking mechanisms.</i>• <i>Delivered high-quality reports by conducting interviews and consistently meeting deadlines in a government consulting project dealing with investment promotion in Northeast India.</i>	<p><i>Kolkata, India</i> Feb 2025 - present</p>
EDUCATION	<p>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</p> <p>University of Calcutta <i>B.Sc., Economics (Honours)</i> Courses: Introductory Microeconomics and Macroeconomics, Probability, Introductory Econometrics</p> <p>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</p>	<p><i>India</i> 2022 - 2024</p> <p><i>Kolkata, India</i> 2018 - 2021</p> <p><i>Chennai, India</i> 2021 - Apr '26</p>

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">• <i>Analysed the global diamond industry performance as a whole & the rough diamond sector in particular using Kimberley Process & other public and Ministry data.</i>• <i>Utilised R language and time-series forecasting using ARIMA models to forecast the future rough diamonds prices from various global exporting countries to India.</i>• <i>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>	<p><i>New Delhi, India</i> Jun - Jul 2023</p>
CONFERENCES	<p>9th International Conference on Empirical Issues in International Trade and Finance, 2024</p>	
LANGUAGES & SKILLS	<p>English (primary, fluent), Bengali (native) Python, L^AT_EX, R, Julia, Stata, Eviews</p>	
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>