

## EXPERIENCE

### ASTON BUSINESS SCHOOL | RESEARCH FELLOW (ERC)

May 2024 – Present | Aston University, Birmingham, UK

- Extraction, cleaning, merging, and analysis of large data sets including patent data from PATSTAT & ORBIS-IP, and firm data from ORBIS-Corporate & ORBIS-M&A.
- Writing of an academic paper on International Patent Collaboration in Self-Driving Vehicles (SDVs) and Electric and Hybrid Vehicle Technologies (EVs & HVs) and prepare a grant application on patent collaboration in UK's automotive sector.
- Preparation of Reports on Job Creation and Destruction and Growth Dashboard metrics of UK using Business Structure Database of the Office for National Statistics, UK.
- Carry out data analysis and writing of the academic project report on FDI, Skills and Complexity - which explores the role of regional level technological and occupational complexity in attracting quality Foreign Direct Investment in the UK.

### WARWICK BUSINESS SCHOOL | RESEARCH FELLOW -

PART-TIME

March 2024 – August 2024 | Warwick University, UK

- Collection, Organisation, cleaning, and analysis of firm-level data for the UK Digital and Creative Industries
- Use the cluster mapping tool provided by Department of Science, Innovation and Technology (DSIT) to identify innovative clusters and writing of an academic paper on the effect of clustering and cluster funding on firm productivity.

### UNU-MERIT, MAASTRICHT UNIVERSITY | TEACHING AND

RESEARCH ASSISTANT

Sep 2021 – Feb 2024 | UNU-MERIT, Maastricht University, Netherlands

- **Courses Taught:** Advanced Methods for Policy Relevant Research and Economics of Innovation - Oct 2023-Feb 2024
- **Research Project:** Comprehensive innovation for sustainable development: Conflicting and complementary policies for development - Sep 2021 to Aug 2023
  - Collection and analysis of micro-level data from firm databases and green jobs data from online job portals.
  - Assisting in writing grant applications for research projects.

### GULATI INSTITUTE OF FINANCE AND TAXATION |

RESEARCH ASSISTANT

Dec 2019 – May 2020 | Kerala, India

- Compilation of data from various secondary sources to create a database on Kerala's economy
- Preparation of a report on how the first wave of Covid-19 has affected the region's economic activities.
- Provide weekly economic and policy updates to the Finance Minister of the state of Kerala.

### CENTRE FOR DEVELOPMENT STUDIES | RESEARCH

ASSISTANT

Aug 2018 – July 2019 | Kerala, India

- **Research Project:** Kerala and the World economy
  - Analyse data and prepare report on Kerala's trade integration with the global economy

## EDUCATION

### MAASTRICHT UNIVERSITY

PHD IN INNOVATION, ECONOMICS,  
GOVERNANCE AND DEVELOPMENT  
(SEP 2020 - PRESENT - (NEAR  
COMPLETION))

### JAWAHARLAL NEHRU UNIVER- SITY

MPhil in Economics (2013-2015) |  
Masters in Economics (2011-2013)

## SKILLS

### THEORETICAL SKILLS

Statistics and econometric  
methodologies

- panel data regression models • causal  
inference methodologies

### QUANTITATIVE SKILLS

- Data extraction • data management •  
data cleaning • data analysis • data  
visualisation

### QUALITATIVE SKILLS

- Survey design • Questionnaire  
preparation • interviews

### SOFTWARE & TOOLS

- Stata • Python • R • Microsoft Office •  
LaTeX • Tableau • SQL

### DATABASES

- ONS and BSD (Approved ONS  
Research Status)
- PATSTAT, ORBIS, FAME, UN Comtrade,  
Community innovation surveys (CIS),  
World Bank enterprises surveys, World  
Bank Data Bank

## COURSEWORK

### PHD

- Evaluation of Programmes and Policies
- Panel Data Econometrics • Economics  
of Innovation • Microeconomics of  
innovation and development: theory,  
evidence and policy • Firm-level  
innovation and learning in developing  
countries

### MPHIL

- Regression Analysis • Statistics • Data  
analysis and Sampling techniques •  
Methodologies for socio-economic  
research

### MASTERS

- International trade • Macroeconomics  
• Microeconomics • Statistics and  
econometric methods

## PUBLICATIONS

1. **Nanditha Mathew**, and **George Paily**. (2023). "Firm responses to Covid-19 in India." In Lakhwinder Singh and K. J. Joseph (Eds.), Reimagining Innovation Systems in the Covid-19 and Post Covid-19 World. Routledge.
2. **Nanditha Mathew**, and **George Paily**. (2022). "STI-DUI innovation modes and firm performance in the Indian capital goods industry: Do small firms differ from large ones?" *The Journal of Technology Transfer*, Vol.(47), pp. 435-458.
3. **P.L. Beena**, **George Paily** and **Pradeesh Kumar. S.** (2020). "Structure, Direction and Export Contribution of Kerala State: With Special Reference to Cochin Special Economic Zone." In Sunil Mani (Eds.), Kerala and the World Economy. Centre for Development Studies, ISBN - 978-81-948195-3-0
4. **K Chandra Shekar**, and **George Paily**. (2019). "The Need for an Innovation Survey in India." *Economic & Political Weekly*, Vol.(54), pp. 19-22.
5. **George Paily**. (2018). "Innovation Strategies, Outcomes and Firm Performance: An Analysis of Firm Behaviour in India's Manufacturing Sector." *Economics Bulletin*, Vol.(38), pp. 1769-1786.

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## RELEVANT CONFERENCES & WORKSHOPS

- Advanced Course on "Innovation, Growth and International Production. Models and Data Analysis" held at the Department of Economics and Law, Sapienza University of Rome 06/05/24 - 10/05/24
- 9th Reading IB Conference organised by Henley Business School, University of Reading, UK, Paper Title: "Beyond size: unpacking the heterogeneous effects of small scale de-reservation on product scope and performance among Indian enterprises" 12/04/24 - 13/04/24
- Vera Summer School on Network Econometrics organised by Italian Econometric Association (SidE) 26/06/23 - 30/06/23
- Workshop on Econometrics organised by Italian Econometric Association (SidE) 19/06/23 - 24/06/23
- Workshop on Economic Fitness and Complexity organised by Enrico Fermi Centre for Research (CREF), Rome, Italy 05/06/23 - 09/06/23
- Workshop on Advanced Difference-in-Difference and Synthetic Control & Clustering organised by Prof. Scott Scott Cunningham and Jonathan Roth 21/04/23 & 28/04/23
- International Conference for Young Career Researchers - Small Business Economics Journal, Title: "Is small always beautiful? Heterogeneous effects of small scale de-reservation on product scope and performance" 22/11/22
- International Workshop on 'Design and Evaluation of Innovation Policy' - United Nations University MERIT and Centre for Development Studies 04/02/19 - 08/02/19
- XVIIIth Trento Summer School in Adaptive Economic Dynamics - University of Trento, Italy 05/06/17 - 16/06/17

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## THESIS SUPERVISION

- **Ishaan Chitnis**: Thesis title - Societal Perceptions of the Threats and Opportunities of Artificial Intelligence: Evidence from Students in Mumbai - Masters in Public Policy and Human Development - UNU-MERIT, Maastricht University 2024
  - **Andreia Karydi**: Thesis title - OFDI versus Exports - The empirical case of India - Masters in Economics and Strategy in Emerging Markets - School of Business and Economics, Maastricht University 2022
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