

# Ayaan Samiullah Tigdikar

ayaant2003@gmail.com · +447570585266 · www.linkedin.com/in/ayaan-tigdikar

## EDUCATION

### London School of Economics and Political Science (LSE), UK MPA Data Science for Public Policy

09/2024 – 06/2026  
Predicted First-Class

- Master's degree featuring a blend of economic and data science courses, focusing on designing micro- and macro-economic policies using both theoretical and cutting-edge ML/AI methods.
- Relevant Courses:** Public Economics, Development Economics, Growth Diagnostics, Advanced Empirical Methods, Data Science for Public Policy, Deep Learning, Distributed Computing, Text Analysis, Social Network Analysis.

### King's College London, UK BSc (Hons) Economics and Management

09/2021 – 05/2024  
First Class Honours

- Award for Academic Excellence (Highest Overall Performance), Award for an Exceptional Dissertation, Best Performance for BSc Economics & Management – Third Year Prize**
- Relevant Courses:** Economic Growth, Microeconomics, Macroeconomics, Intermediate Econometrics, Applied Econometrics, Comparative Public Policy, International Finance, and International Trade.
- Undergraduate Research Project** "Spillover Effects from Shocks in Global Value Chains" (80): used ADB's Input-Output tables and applied synthetic difference-in-difference identification to understand trade shock propagation
- Collaborated with senior faculty and Greater London Authority (GLA) to improve access to educational funding

## WORK & INTERNSHIP EXPERIENCE

### Centre for Economic Performance, London, UK Research Assistant

10/2025 – Present

- Examining the causal impact of ethnic school integration on long-term student outcomes using oversubscription randomised experiment methodology across UK comprehensive schools
- Analysing National Pupil Database and longitudinal education records in ONS Secure Research Service environment, ensuring compliance with data protection protocols

### Rho Motion, London, UK Research Analyst

09/2024 – Present

- Specialise in global Energy Stationary System (ESS) policies and legislative landscape for solar, wind, and electric mobility. Authored 2025 Q1 report on global energy storage systems covering regulatory changes affecting 300GWh market; analysed competitive positioning of 20 major players like Tesla and Samsung SDI.
- Built automated data pipeline for 100+ EV manufacturers using Python web-scraping, cutting analysis time by 80%; applied machine learning such as KNN and Random Forest to generate reliable estimates of EV specifications to inform global battery demand forecasting, supporting strategic planning for tier-1 suppliers.

### HM Treasury, London, UK Civil Service Summer Internship

08/2023 – 09/2023

- Conducted cost-benefit policy analysis to bolster post-pandemic growth in UK's £250 billion tourism industry. Read, analysed, and synthesised economic and fiscal reports, while navigating the turbulent political landscape to advise the Economic Growth Unit on 5 policy levers with proven track records, backed by relevant case studies.
- Focused on enhancing transportation networks in 3 cities, optimising marketing ROI, scrutinising VAT tax policy, and improving bilateral ties by showcasing mutual economic benefits to revitalise growth.

### King's College London, UK Research Fellow

07/2023 – 10/2023

- Led 4-person research team on the impact of energy efficiency regulation on UK rental market for proptech client.
- Curated analytical dataset by querying data using SQL on BigQuery. Aligned and cleaned 15,000 user-inputted entries through automated fuzzy matching code in Python; merging internal data with external APIs for richer data.
- Delivered on-site client presentation featuring hedonic regression model and statistical hypothesis tests, highlighting no benefits for landlords or tenants despite compulsory installation costs.

### Chatham House, London, UK Common Futures Conversation Member

06/2022 – 11/2023

- Engaged in collaborative policy ideation and analysis stages with 50+ members across EMEA region.
- Chosen to present the policy pitch "Digital Solutions for Inclusive Governance" to experts from United Nations.
- Hosted panel discussions with experts on trends in skill polarisation, digital literacy, and African gig economy.

## LANGUAGE AND TECHNICAL SKILLS

- Languages: English (Fluent), Swedish (Fluent), Hindi (Advanced), French (Beginner)
- Excel, PowerPoint, Python, SQL, R, STATA, BigQuery, Google Cloud Platform, IBM SPSS, KNIME Analytics, GitHub