

Arnab Choudhury

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Academics

Ph.D. (Management) – Strategy

Columbia Business School – Columbia University

Area of Research – Technology Management, Economics of Innovation, Strategic Decision Making under Uncertainties.

First Year (August 2023 to present)- [Profile](#).

Master of Science (M.Sc.)

Applied Mathematics (Special Interest: Algorithmic Topology)

Gold Medal (Rank 1).

Bachelor of Science (B.Sc.)

Theoretical Mathematics

Honors in Mathematics (Top 5th Percentile).

Research Experience

Associate Researcher, MIT

FutureTech Lab.

MIT - Computer Science and Artificial Intelligence Laboratory (CSAIL)

Massachusetts Institute of Technology.

(Jan 2024 – present)

<https://futuretech.mit.edu/team/arnab-choudhury>

Pre-Doctoral Researcher – ISB

Indian School of Business – Hyderabad.

Position – Research Associate.

Strategy (Innovation Management)

(August 2020-July 2023)

Publications and Revisions

1. Economic Nationalism and the Home Court Advantage.

- Choudhury, Arnab; Jandhyala, Srividya; Nandkumar, Anand.

Current Stage: **Revise and Resubmit** – 3rd Round- *Strategic Management Journal (SMJ)*

Other publication: *AOM Proceedings 2021*.

AOM Proceedings Publication: (<https://doi.org/10.5465/AMBPP.2021.22>)

Finalist - [Best Paper](#) (Georgetown IM Division – AOM 2021).

2. How do Stock Market Expectations Condition Incumbents' Response To Radical Technological Change?

- Nandkumar, Anand; Mani, Deepa; Bharadwaj, Anandhi; Choudhury, Arnab.

Current Stage: **Submitted** – *Strategic Management Journal (SMJ)*

Other publication: *AOM Proceedings 2023*.

AOM Proceedings: (<https://doi.org/10.5465/AMPROC.2023.17528abstract>)

Division: Technology and Innovation Management.

Working Projects:

1. Computational Nationalism Index for US Firms.

- Independent Study with Lori Yue (Columbia Business School)

2. Topological Intervention in Strategic Decision Making under Uncertainties in Higher Dimension.

- Independent Research Project with Alfonso Gambardella (Bocconi University) and Arnaldo Camuffo (Bocconi University).

3. Quantum Market Advantage – Economics of Quantum Computers and Information Technology.

- Independent Research Project with FutureTech Lab – CSAIL, MIT.

4. Change in Patent Regime and The Role of Branded and Generic Drugs on Price and Quantity: Evidence from the Indian Pharmaceutical Industry 1995-2009.

- Nandkumar, Anand (ISB); Dutta, Shantanu (USC-Marshall School of Business); Vishwanathan, Madhu (ISB); Choudhury, Arnab (Columbia Business School).

5. Developing Gradient Boosting (a decision tree-based ML algorithm for prediction) as an alternative methodology for the Heckman 2 Stage Sample Selection Correction Algorithm.

- Independent Project. Seeking Co-author.

Conferences:

1. Academy of Management (AOM) Annual Conference – 2023, Boston, USA.

Paper: How do Stock Market Expectations Condition Incumbents' Response to Radical Technological Change?

Area: Technology and Innovation Management.

2. Academy of Management (AOM) Annual Conference – 2021, Online.

Paper: Economic Nationalism and The Home Court Advantage.

Area: International Management (Georgetown IM Division)

3. Strategy Science Conference – 2021, Harvard Business School, USA.

Paper: Economic Nationalism and The Home Court Advantage.

Area: Strategy Across Borders.

4. Non-Market Strategy Research Community Seminar – 2021, Online.

Paper: Economic Nationalism and the Home Court Advantage.

Area: Non-Market Strategy.

5. ISB Seminar Series – Strategy.

Paper: How do Stock Market Expectations Condition Incumbents' Response To Radical Technological Change?

Area: Technology and Innovation Management (TIM)

Test Scores:

1. Graduate Record Examination (GRE).

Scores: Total: **334/340**; Verbal: **164/170**; Quant: **170/170**.

Percentiles: Verbal: 94th percentile; Quant: 97th percentile.

Web Platforms:

1. LinkedIn profile: [LinkedIn/Arnab](#)
2. Google Scholar profile: [Scholar/Arnab](#)
3. ResearchGate profile: [ResearchGate/Arnab](#)
4. GitHub account: [GitHub/Arnab](#)

Contact Info:

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