Ishan Banerjee

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EXPERIENCE

McKinsey and Company, Washington DC / Economist, Senior Analyst **12/2021 – Present**

• Advised global top 5 automaker on building $3B+ business on retail EV charging infrastructure and energy
• Led diligence for PE firm on acquisition of automation and energy-transition critical metal player for ~$5B
• Advised global top 8 data center player on Net Zero power procurement by 2025 and ESG value-at-stake
• Built US States' clean energy investment "right-to-win" strategy, based on industrial base and talent trends
• Led greenfield investment diligence for wind turbine material, building capacity for 1.5x regional demand
• Built price prediction ML algorithm and NGFS demand scenarios till 2050 for global critical mineral player
• Led scenario model builds for client and McKinsey reports on financial enablers and jobs impact of EVs, hydrogen, nuclear, storage, CCUS, heat pumps, solar, wind, chemicals, etc.: (1) Impact from US Green Bank (2) DOE pathways to commercial liftoff (3) WBCSD scenario catalog for energy and food, ag., and forest
• Led team, diligence, presentations, and product management on studies with banking, PE, OEMs, utility, tech, buildings, metals, chemicals and public sector clients on TCFD, ESG, supply chain, and transition risk
• Steered $0.6T banking client on responsible GenAI deployment and developed 10 model AI risk metrics

American Board of Medical Specialties, Chicago / Data Analyst (Geospatial) **09/2020 – 11/2021**

• Led research, built, and deployed ~50 interactive web-based interactive apps for US healthcare regulator on (1) Spatial movement and access to specialist physicians (2) Novel metrics of racial inequities in access to care
• Presented most viewed (>400) poster at ABMS 2021 conference and co-created 2021 Board Cert report

The Paulson Institute (US-China Think Tank), Chicago / Graduate Fellow **01/2020 – 06/2020**

• Lead author of America's Got AI Talent and The Global AI Talent Tracker, launch covered by The New York Times, Politico, etc., and cited by Brookings, US Commission on AI, Stanford AI Index, CNAS, etc.
• Led research on industrial policy, EV battery supply chain issues, and US-China EV industry growth

World Resources Institute, Washington DC / Summer Associate **06/2019 – 09/2019**

• Led round table and study on platform economics of EV charging standards and Vehicle-to-grid platforms
• Designed algorithm for EBRD to rank water-scarce power plants by Solar PV potential in Asia and Africa

India Development Foundation, Delhi / Research Analyst **08/2016 - 08/2018**

• Developed policy memos for a top 5 semiconductor player on (1) Standard Essential Patent royalties in high tech (e.g. 5G, IoT, etc.) (2) Econometric models of China's comparative advantages and patent approval bias
• Organized conference, Intellectual property rights & India's innovation landscape, with Carnegie India
• Published and refereed 10 issues as Editorial Assistant of *Review of Market Integration*, a SAGE Journal

EDUCATION

The University of Chicago, USA / M.S. Environmental Science and Policy **09/2018 – 06/2020**

• Chicago Booth financial and go-to-market consultant for a national lab's distributed energy storage solution
• Consultant for Cook County Government for 100% renewable energy procurement and pricing strategy
• Teaching assistant for Principles of Microeconomics I and II (Harris) and Regional Innovation (Harris, Chicago Booth) – Co-created curriculum and gave lectures on standards development, patents and China
• Awarded Bartlett Fellowship for research on water and climate policy using NASA satellite data (2018-19)
• Graduate research: Statistical emulation of multi-model climate projections of IPCC AR6 climate models

Shiv Nadar University, Delhi NCR, India / B.S. Economics (Research) **08/2012 – 05/2016**

• Thesis: Cost-benefit analysis of monitoring levels in tests – A stochastic game theoretic model
• University-wide student representative, Gender sensitization and anti-harassment committee

Strengths: Data-driven problem solving, ownership, thought leadership, stakeholder communication
Skills: Venture commercialization, machine learning, GIS, program evaluation, cost-benefit analysis
Programming Languages: R, Python, SQL, Stata, Tableau, Power BI, QGIS, ArcGIS, Excel