

# Abhay Gupta

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An economist and an engineer with more than 20 years of multi-disciplinary research, operational, and leadership experience in academia, think tank, government, inter-governmental and corporate sectors.

## Work Experience

2021 – Now	<b>Director, Efficient World.</b>	Vancouver, Canada.
2017 – 2021	<b>Lead Consultant, European Investment Bank.</b>	Luxembourg.
2016 – 2017	<b>Advisor, House of Commons.</b>	Ottawa, Canada.
2014 – 2016	<b>Chief Economist, Empirical Foresights.</b>	Vancouver, Canada.
2013 – 2014	<b>Adjunct Professor, Fairleigh Dickinson University.</b>	Vancouver, Canada.
2011 – 2013	<b>Senior Administrator, OECD.</b>	Paris, France.
2009 – 2011	<b>Economist, The Conference Board.</b>	New York, NY, USA.
2002 – 2003	<b>Engineering Manager, Wipro Technologies.</b>	Bangalore, India.
1999 – 2002	<b>Software Engineer, Mind Tree Inc.</b>	San Jose, CA, USA.

## Education

2016	<b>Executive Program</b> (Columbia Business School).	<b>Columbia University.</b>
2016	<b>Executive Program</b> (Kennedy School of Government).	<b>Harvard University.</b>
2004 – 2009	<b>PhD</b> (Economics).	<b>University of British Columbia.</b>
2003 – 2004	<b>MA</b> (Economics).	<b>Lakehead University.</b>
1995 – 1999	<b>B Tech</b> (Chemical Engineering).	<b>Indian Institute of Technology.</b>

## Career Highlights and Summary of Accomplishments:

- Successfully managed and delivered multiple high-value projects that are in-use by researchers & organizations around the world and are impacting people's lives.
- Built 30+ useful datasets like Total Economy, World Input Output, World KLEMS, Structural Analysis, Trade-in-Value-Added, Main Science and Technology Indicators, Leading Economic Indicators.
- Wrote & contributed to 250+ reports, papers & articles for academic, government and business audience.
- Made crucial recommendations for the Capitalization of Intangible Assets that were accepted by the United Nations System of National Accounts and are now part of IFRS and GAAP standards.
- Designed and led an innovative global program on Impact Finance evaluating multi-billion-dollar project portfolio in 30+ countries across multiple continents.
- Developed and implemented multi-stakeholder, large-scale programs like Business Outlook and Consumer Confidence surveys, Result-management Framework, Capacity Accelerator Network.
- Modeled long-term projections for national pension plan, provincial/ state fiscal sustainability.
- Created economic development roadmaps at sectoral, region or local levels which were approved & used.
- Implemented transformation strategies and competitiveness/ growth recommendations for businesses.
- Built 10+ enterprise software platforms & tools used by Fortune 100 clients & organizations like US Army.
- Won multiple awards (e.g. Gates Foundation Grand Challenges, DARPA), scholarships and project grants.

## Experience Details:

### DIRECTOR, EFFICIENT WORLD (2021 – NOW)

<b>20+ projects for 12 organizations.</b> <b>LLM using 100 million documents.</b> <b>35 reports.</b>	<ul style="list-style-type: none"> <li>– Working with regional governments and business groups to perform research on specific topics related to economic environment.</li> <li>– Codifying the actionable wisdom on ESG and advising organizations on climate change resilience and sustainable growth strategies.</li> </ul>
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### LEAD CONSULTANT, EUROPEAN INVESTMENT BANK (2017 – 2021)

<b>3 cohorts of 10 projects each.</b> <b>\$800 million (total size of projects)</b> <b>12 published studies. 1 handbook.</b> <b>3 M&amp;E frameworks.</b>	<ul style="list-style-type: none"> <li>– Non-economic performance measurement of multi-billion dollars portfolio of development projects.</li> <li>– Collaborating with member countries' representatives to align the policy priorities with the investments.</li> </ul>
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### ADVISOR, HOUSE OF COMMONS (2016 – 2017)

<b>7 policy announcements costing.</b> <b>\$500 billion / 30 million members</b> <b>pension plan modeling.</b> <b>8 testimonies. 15 reports.</b>	<ul style="list-style-type: none"> <li>– Costing of policy initiatives. Analysis of programs amidst changing trends and impact of policy changes.</li> <li>– Preparing briefs for senators and MPs. Presenting them in the committee meetings</li> </ul>
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### CHIEF ECONOMIST, EMPIRICAL FORESIGHTS (2014 – 2016)

<b>4 research products, 20+ editions.</b> <b>1 weekly newsletter (100K subscribers).</b> <b>3 data products built &amp; supported.</b> <b>100+ reports. 30+ presentations.</b>	Economic Development (strategies for municipalities). Financial Companies (market projections). Private Utilities (demand models). Manufacturing (process optimization, industry structure, pricing strategy). Technology (market entry, litigation support). Healthcare & Pharma (policy impact, competitiveness).
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### ADJUNCT PROFESSOR, FAIRLEIGH DICKINSON UNIVERSITY (2013 – 2014)

<b>12 courses. 8 articles. 5 seminars.</b>	<ul style="list-style-type: none"> <li>– Taught courses in economics, finance, international trade, and business.</li> <li>– Researched on topics in sustainability, markets &amp; monetary policy.</li> </ul>
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### SENIOR ADMINISTRATOR, OECD (2011 – 2013)

<b>3 working parties (industry, innovation, economy).</b> <b>2 microdata initiatives with 500+ series from 26 countries.</b> <b>5 special projects (e.g. green growth, new industrial policy).</b>	<ul style="list-style-type: none"> <li>– Intangible assets; productivity &amp; competitiveness; policy prescriptions for economic growth; managing business cycles &amp; market shocks.</li> <li>– IP regime, Science, Technology &amp; Innovation (STI) indicators/ scoreboards.</li> <li>– Leading the discussion at various intra-governmental working parties and secretariats.</li> </ul>
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#### ECONOMIST, THE CONFERENCE BOARD (2009 – 2011)

<b>8 quarterly webinars on economic outlook (500+ decision makers). 20 publications. 6 international collaborative projects.</b>	<ul style="list-style-type: none"><li>– Acting as voice for Business Members on various platforms including federal government through research paper, policy briefs, webinars, open-ed, presentations etc.</li><li>– Demographic, education &amp; skills patterns, and their implications for businesses. Impact of ICT.</li></ul>
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#### ENGINEERING MANAGER, WIPRO TECHNOLOGIES (2002 – 2003)

<b>200-person team size (on-site and off-shore). 5 enterprise software with codebase of million+ lines.</b>	<ul style="list-style-type: none"><li>– Client requirement gathering, preparing documentation, technical architecture, database and system design.</li><li>– Project management, supporting enhancement requests, team training and performance appraisal.</li></ul>
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#### SOFTWARE ENGINEER, MIND TREE INC. (1999 – 2000)

<b>10 software projects.</b>	<ul style="list-style-type: none"><li>– Programming, quality assurance testing, bug fixing of multi-tiered enterprise software platforms and applications.</li></ul>
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### Subject Matter Expertise:

Economic Development. • Productivity. Competitiveness. • Index Numbers. National Accounts. • Monetary Policy. • Forecasting & Quantitative Modeling. • Sustainability. Impact Evaluation. • Strategic Consulting. • Market Entry.

### Technical Skills:

Programming languages: Python, Java, R, Java Script, PhP • Databases: MySQL, Oracle, SQL, MongoDB • Tools: Tableau, Looker, DBT, Redshift • Dev/ML Ops: Azure, AWS, GCP • Statistical packages: Stata, SAS, SPSS, Matlab, EViews • Spacy, Vertex AI, NLP, NER.

### Other Appointments/ Professional Volunteer Work:

2023 – Now	<b>International Electrotechnical Commission.</b>	Developing standards for AI, sustainability.
2023 – Now	<b>Beedie Luminaries.</b>	Mentoring students.
2023 – 2024	<b>DataDotOrg</b>	Faculty for Data Capacity Accelerator.
2013 – Now	<b>Standards Council of Canada.</b>	Member of mirror committees.
2013 – Now	<b>International Standards Organization.</b>	Member of technical committees.
2010 – 2013	<b>MITACS.</b>	Canadian economy & productivity.

### Leadership, Communication & Other Skills

• Excellent omni-channel presentation skills. • Media & speaking experience. • Organizational transformation. • Stakeholder engagement & business development. • Team management. • Budgeting, project execution. • Fund raising. • Detailed KPI/ OKR measurement and reporting. • A rich and diverse global network of engaged contacts.