# Sumit Goel

sumitgoel58@gmail.com | goelsumit.com

| Education | | |
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| | **California Institute of Technology** | Pasadena, CA |
| | PhD in Social Sciences (with minor in Computer Science) | 2017 – 2023 (exp.) |
| | Advisor: Federico Echenique | |
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| | **Indian Statistical Institute** | Delhi |
| | MS in Quantitative Economics | 2015 – 2017 |
| | Advisor: Arunava Sen | |
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| | **Delhi Technological University** | Delhi |
| | BTech in Computer Science | 2011 – 2015 |

**Research**

**Working papers**

1. "Prizes and effort in contests with private information" *Job market paper* [PDF]
2. "Stable allocations in discrete economies" (with Federico Echenique and SangMok Lee) [PDF]

**Refereed Conference Proceedings (Computer Science)**

1. "Project selection with partially verifiable information" (with Wade Hann-Caruthers) *WINE 2022* [PDF]
2. "Optimality of the coordinate-wise median mechanism for strategyproof facility location in two dimensions" (with Wade Hann-Caruthers) *SAGT 2022* [PDF]

**Publications**

1. "Optimality of the coordinate-wise median mechanism for strategyproof facility location in two dimensions" (with Wade Hann-Caruthers) *Social Choice and Welfare* [PDF]

| Honors and scholarships | | |
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| | Graduate Fellowship in Data Science (PIMCO) | 2020 |
| | Repetto-Figueroa Family Graduate Fellowship (Caltech) | 2020 |
| | Linde Institute Summer Fellow (Caltech) | 2020 |
| | Graduate Student Fellowship (Caltech) | 2017 |
| | Rank 1 in MSQE Program (ISI Delhi) | 2017 |
| | Masters Student Fellowship (ISI Delhi) | 2015 – 2017 |

**Conferences**

Winter school at Delhi School of Economics (2019); 8th Annual conference on Contests: Theory and Evidence (2022); 16th Meeting of Society for Social Choice and Welfare (2022); SAET (2022); Asian School in Economic Theory (2022); SAGT (2022)

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| Referee | Theoretical Economics | |

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| Teaching exp. | **Teaching assistant, Caltech** | |
| | Designed and graded problem sets, conducted office hours | |
| | Ec 122: Econometrics | Fall 2018, Fall 2019 |
| | Ec 11: Introduction to Economics [edX] | Winter 2018 |
| | BEM 103: Introduction to Finance | Winter 2019, Winter 2021 |
| | PS/Ec 172: Game theory [webpage] | Spring 2020 |
| | Ec 121A: Theory of Value | Fall 2021 |
| | CS/Ec 149: Algorithmic Economics [notes] | Spring 2022 |

**Instructor, Econschool**
Taught Mathematics to undergrad students in India interested in pursuing higher studies in Economics. Also created a website visited by over 150 students daily [econschool.in].

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| Other exp. | **Caltech COVID-19 Research Project** | Summer 2020 |

Under supervision of Prof. Yaser Abu-Mostafa, contributed to development of a machine learning-based model to predict the spread of COVID-19 in the US. The predictions are part of The US COVID-19 Forecast Hub dataset published in Scientific Data, Nature.

**Research assistant for Prof. Federico Echenique** Spring 2019
Surveyed experimental papers that use the convex time budget methodology for estimating time and risk preferences

**Intern at Royal Bank of Scotland** Summer 2014
Wrote XSLT code to enhance Excel reports by introducing charts alongside data tables while ensuring easy integration with existing report generation process

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| Service | Treasurer of Caltech Badminton Club | 2018 – 2022 |
| | Graduate representative of Caltech HSS DEI committee | 2020 – 2022 |
| | President of Caltech Cricket Club | 2018 – 2020 |

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| Miscellaneous | **Programming**: R, Latex, C, C++ |
| | **Languages**: English (fluent), Hindi (native) |
| | **Personal**: Indian citizen, born November 30, 1992 |

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| References | Federico Echenique | Thomas R. Palfrey | Omer Tamuz |
| | Dept. of Economics | Division of HSS | Division of HSS |
| | U.C. Berkeley | Caltech | Caltech |
| | fede@econ.berkeley.edu | trp@hss.caltech.edu | omertamuz@gmail.com |