

# Sumit Goel

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| Education               | <b>California Institute of Technology</b>   | Pasadena, CA       |
|                         | PhD in Social Sciences (with minor in Computer Science)   | 2017 – 2023 (exp.) |
|                         | Advisor: Federico Echenique<br>MS in Social Sciences  |                    |
|                         | <b>Indian Statistical Institute</b>   | Delhi              |
|                         | MS in Quantitative Economics  | 2015 – 2017        |
|                         | Advisor: Arunava Sen  |                    |
|                         | <b>Delhi Technological University</b>   | Delhi              |
|                         | BTech in Computer Science   | 2011 – 2015        |
| Working papers          | <b>Optimal grading contests</b> [ <a href="#">arXiv:2205.05207</a> ]<br>( <i>Job market paper</i> )   |                    |
|                         | <b>Stable allocations in discrete economies</b> (with Federico Echenique and SangMok Lee)<br>[ <a href="#">arXiv:2202.04706</a> ]   |                    |
|                         | <b>Project selection with partially verifiable information</b> (with Wade Hann-Caruthers)<br>[ <a href="#">arXiv:2007.00907</a> ]   |                    |
|                         | <b>Optimality of the coordinate-wise median mechanism for strategyproof facility location in two dimensions</b> (with Wade Hann-Caruthers) [ <a href="#">arXiv:2007.00903</a> ]<br><i>Accepted at SAGT 2022, R&amp;R at Social Choice and Welfare</i> |                    |
| Honors and scholarships | 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)                   |                    |
| Referee                 | Theoretical Economics   |                    |

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

### **Instructor, Econschool**

Taught mathematics to undergraduate students in India interested in pursuing higher studies in Economics. Also created various online resources, including a website visited by over 150 students daily [[econschool.in](#)].

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| Other exp. | <b>Caltech COVID-19 Research Project</b>   | Summer 2020 |
|            | Under supervision of Prof. Yaser Abu-Mostafa, contributed to development of a machine learning-based model of the spread of COVID-19 in the US [ <a href="#">article</a> ] |             |

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|  | <b>Research assistant for Prof. Federico Echenique</b>  | Spring 2019 |
|  | Surveyed experimental papers that use the convex time budget methodology for estimating time and risk preferences |             |

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|  | <b>Intern at Royal Bank of Scotland</b>  | Summer 2014 |
|  | Wrote XSLT code to enhance Excel reports by introducing charts alongside data tables while ensuring minimal dependency on third party libraries and 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 | <b>Programming:</b> R, Latex, Python, C, C++            |
|               | <b>Languages:</b> English (fluent), Hindi (native)      |
|               | <b>Personal:</b> Indian citizen, born November 30, 1992 |

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|------------|--|--|--|
| References | <a href="#">Federico Echenique</a>                                 | <a href="#">Thomas R. Palfrey</a>                            | <a href="#">Omer Tamuz</a>                                   |
|            | Dept. of Economics   | Division of HSS  | Division of HSS  |
|            | U.C. Berkeley  | Caltech  | Caltech  |
|            | <a href="mailto:fede@econ.berkeley.edu">fede@econ.berkeley.edu</a> | <a href="mailto:trp@hss.caltech.edu">trp@hss.caltech.edu</a> | <a href="mailto:omertamuz@gmail.com">omertamuz@gmail.com</a> |