

## RAMANDEEP

Email: ramandeep@econdse.org

### ACADEMIC QUALIFICATIONS

Course Name	College/School/University	Year of Passing	Marks Obtained
PhD	Delhi School of Economics (DSE)	Pursuing	
M.A. Economics	Delhi School of Economics (DSE)	2018	55.13%
B.A. (Hons.) Economics	Hindu College, University of Delhi	2016	75.69%

### ACADEMIC AWARDS AND ACCOMPLISHMENTS

- Qualified the **University Grants Commission – National Eligibility Test (UGC – NET)** *July – 2018*
- Awarded the **CBSE Certificate of Merit** for securing 10 CGPA in Class 10<sup>th</sup> *2011*

### WORK EXPERIENCE

- **Research Assistant, Centre for Development Economics, DSE** *August-December 2021*
  - *Impact of Climate Change on Agriculture in India*
    - Analysed ICRIAT-TCI (Indian agriculture) and Indian Meteorological Department (weather) data
    - Examined the effects of temperature and rainfall anomalies on 13 crop yields using *panel regression*
- **Research Analyst, Health Policy Research Unit, Institute of Economic Growth** *April 2019 - Sept 2019*
  - *Handbook of Labor, Human Resources and Population Economics*
    - Assisted in the completion of the handbook chapter titled “*Risk and Prevention of Infectious Diseases*”
    - Reviewed articles on behavioral and health economics to understand effects of financial and non-financial interventions on reduction of malaria and diarrhea
    - Wrote sections of the chapter highlighting and explaining behavioral changes due to interventions such as Long-lasting Insecticide Treated Nets, ACTs, RDTs, Behavior Change Communication etc.
- **Field Investigator, Health Policy Research Unit, Institute of Economic Growth** *July 2018 - April 2019*
  - *Ayushman Bharat: Costs and Finances of the Prime Minister’s Jan Arogya Yojana (PMJAY)*
    - Extensive literature review of healthcare system and hospitalization rate of 20 countries
    - Analyzed three scenarios for PMJAY considering variations in hospitalization rate and medical expenditure, calculated using NSSO database, for 2019–23
    - Member of team presentation to 15<sup>th</sup> Finance Commission
  - *Infrastructure and Manpower shortages and Healthcare in India*
    - Analysed 2005, 2008, 2013 and 2017 Rural Health Statistics infrastructure and manpower shortages using Principal Component Analysis and linear regression
    - Literature Review of healthcare resource allocation and budget utilization problems in 7 Indian states

### INTERNSHIPS

- **Data Science Apprentice, 6<sup>th</sup> Sense** *June-August 2017*
  - Undergone training for advanced SAS; appeared for regular mock tests to gauge performance
  - Successfully completed project on ‘*Analysis of Insurance Coverage and Possible Avenues*’ by means of *model building & data analytics* using *US Health and Retirement Study* data
  - Used Linear Regression Model and predictive analysis on data in SAS; Presented to company executives

### REPORT

- *Ayushman Bharat: Costs and Finances of the Prime Minister’s Jan Arogya Yojana (PMJAY)* (with Indrani Gupta, Samik Chowdhury & Abhijit Roy). Report submitted to the Fifteenth Finance Commission. March 2019

## PUBLICATIONS

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- *Ayushman Bharat: Costs and Finances of the Prime Minister's Jan Arogya Yojana (PMJAY)* (with Indrani Gupta, Samik Chaudhary & Abhijit Roy). *Economic and Political Weekly* vol. 55, no. 36, 56-64, September 2020.
- *Risk and Prevention of Infectious Diseases* (with Indrani Gupta). In Zimmermann K.F. (eds) *Handbook of Labor, Human Resources and Population Economics*. Springer, Cham. [https://doi.org/10.1007/978-3-319-57365-6\\_143-1](https://doi.org/10.1007/978-3-319-57365-6_143-1), September 2020.

## WORKING PAPER

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- *Climate Change, Weather Anomalies, and Agriculture: Impact on Output of Major Crops in India* (with Shreekanth Gupta, Laveesh Bhandari, and Monica Sharma). CSEP Working paper 46. New Delhi: Centre for Social and Economic Progress, December 2022

## POSITIONS OF RESPONSIBILITY

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- Mentor, Placement Cell, Delhi School of Economics *August 2017 - March 2018*
- Organizer & Licensee, *TEDxHinduCollege* *2015*
- Treasurer, National Service Scheme (NSS), Hindu College *July 2015 – April 2016*
- General Secretary, Department of Economics, Hindu College *July 2014 – April 2015*
- Event Head, *MECCA*, Annual Cultural Festival, Hindu College *March 2014*

## EXTRA-CURRICULAR ACTIVITIES & SOCIAL WORK

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- Member, *Rivista – The Media House*, Hindu College *2015-2016*
- Active member of National Service Scheme, Hindu College *2013-2016*
- Participated in India Film Project and successfully made a short film in 50 hours *2015*
- Volunteer for Save the Quest – White Cane Day Walk-a-thon *2014*
- Volunteered for the Department of Economics Annual festival, L'Economiste *2013*
- Secured **1<sup>st</sup> position** in shot-put event in regional level sports meet *2008*

## SOFTWARE SKILLS

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STATA, Wolfram Mathematica, LaTeX