

# Deepak Gupta

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Homepage, LinkedIn



## EDUCATION

- **Indian Institute of Science, Bengaluru.** Bangalore, India.  
*Ph.D. in Computational and Data Science(CDS).* Aug 2023 - Present.  
Cumulative Performance Index(CPI): 8.9
- **Indian Institute of Technology Kharagpur.** Kharagpur, West Bengal, India.  
*M.Sc. in Mathematics.* Aug 2020 - May 2022  
Cumulative Performance Index(CPI): 8.56.
- **Kirori Mal College, University of Delhi.** New Delhi, India.  
*B.Sc. in Mathematics(Honours).* Aug 2017 - May 2020.  
Cumulative Performance Index(CPI): 8.50.
- **Model Higher Secondary School Khajuri Sidhi MP.** Sidhi, India.  
*Higher Secondary Examination (12th).* July 2016 - May 2017.  
Percentage: 93.20%
- **Model Higher Secondary School Khajuri Sidhi MP.** Sidhi, India.  
*High School examination (10th).* July 2014 - May 2015.  
Percentage: 93.50%

## ACHIEVEMENTS AND QUALIFICATION

- Recipient of **INSPIRE-SHE** Scholarship for 5 years. Aug 2017- Aug 2022
- Secured **AIR 63** (99.49 percentile) in **GATE** (Mathematics) 2023. scorecard
- Secured **AIR 74 (JRF)** in **Joint CSIR-UGC NET**(Mathematics) Dec, 2023. scorecard
- Secured **AIR 286** (98.01 percentile) in **JAM** (Mathematics) 2020. scorecard
- Selected for **INSPIRE FELLOWSHIP** for PhD. (Declined) Offer Letter
- Secured **1st Rank** in my District in 12<sup>th</sup> Board Examination Awarded the Prize by the District Collector.
- Received the **Meritorious students Certificate** by the **Chief Minister of Madhya Pradesh** in 2017.
- Secured **1st Rank** in school in 10<sup>th</sup> Board Examination.

## RESEARCH AREA

Quantum Computing ,Numerical Linear Algebra, Tensor Decomposition with Applications.

## ACADEMIC PROJECTS

- **Steady-1D Convection and diffusion :** Advisor - Prof. Somnath Bhattacharyya IIT Kharagpur, India  
*Solved the Steady-one dimensional Convection and diffusion problem using Finite Difference Method* Aug 2021-Dec 2021
- **FVM to solve Poisson Boltzmann Equation:** Advisor - Prof. Somnath Bhattacharyya IIT Kharagpur, India  
*Finite Volume Method to find the numerical solution of Poisson Boltzmann Equation in spherical co-ordinate* Jan 2022-Apr 2022

## TECHNICAL SKILLS

- **Programming Languages :** Python, C++, MATLAB, Mathematica **Documentations :** LaTeX, HTML, Word Pad,
- **Software :** MS Word, MS Excel, MS PowerPoint, MS Office. **Operating System :** Windows, Mac, Linux

## TEACHING EXPERIENCE

- **SSP Result Oriented Classes- Tuition center)** Kalkaji, Delhi, India  
*Taught the students of 11<sup>th</sup> & 12<sup>th</sup> CBSE Maths. and JEE MAINS (Mathematics)* Sept 2022 - Nov 2022
- **Dips Academy** Hauz Khas, Delhi, India  
*Worked as Maths faculty for CSIR-NET/GATE/JAM/CUET for 7 months* Dec 2022 - June 2023

## EXTRA CURRICULAR ACTIVITIES

- Joined NCC from 9<sup>th</sup> to 12<sup>th</sup> (2013-2017) and attended a National Level camp for 10 days and received A-Grade Certificate.
- Participated in Akhil Bhartiya Vidyarthi parishad, Mahakaushal ("Madhya Pradesh ko jano" Q&A competition).