

Deepak Gupta

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EDUCATION

- **Indian Institute of Science Bengaluru** Bangalore, India
Ph.D. in Computational and Data Science(CDS) Aug 2023 - Present
- **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.
- Secured **AIR 286** (98.01 percentile) in **JAM** (Mathematics) 2020.
- Secured **1st Rank** in my District in **12th** 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 **10th** Board Examination.

RESEARCH AREA

Numerical Linear Algebra, Tensor Decomposition with Applications, Artificial Neural Network.

ACADEMIC PROJECTS

- **Steady-one dimensional Convection and diffusion** : Advisor - Prof. Somnath Bhattacharyya IIT Kharagpur, India
Learned Finite Difference Method and used it to solve the Steady-one dimensional Convection and diffusion problem Aug 2021-Dec 2021
- **Solutions of Poisson Boltzmann Equation**: Advisor - Prof. Somnath Bhattacharyya IIT Kharagpur, India
Used 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, Notepad
- **Software** : MS Word, MS Excel, MS PowerPoint, MS Office.

TEACHING EXPERIENCE

- **SSP Result Oriented Classes- Tuition center)** Kalkaji, Delhi, India
Taught the students of 11th & 12th CBSE Maths. and JEE MAINS (Mathematics) Sept 2022 - Nov 2022
- **Dips Academy** Hauj 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 9th to 12th (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).
- Participated in school level chess competition.