



Divyanshu Kumar

BS-MS Mathematical Sciences

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Program	Institution/Board	Year	CGPA/%
BS-MS (<i>Mathematical Sciences</i>)	IISER-K	2018-23	7.53
Intermediate/+2	CBSE	2017	77.2%
Matriculation	CBSE	2015	10.00

PROJECTS

- **MS Project** | *Prof. Soumalya Joardar* [Aug 2022 - May 2023]
 - Studied *DeRham cohomology of smooth manifolds*
- **Independent Study** | *Prof. Chiranjib Mitra* [Jan 2023 - May 2023]
 - Studied *Quantum Computation and Quantum Information* book by Nielsen and Chuang.
- **Summer Project** | *Prof. Saugata Bandhopadhyaya* [June 2021 - July 2021]
 - Studied *Inverse and Implicit function theorem*
- **Summer Project** | *Prof. Somnath Basu* [May 2021 - June 2021]
 - Studied and presented *Weierstrass Approximation theorem and generalized Stone Weierstrass theorem*
- **Winter Project** | *Prof. Rajesh Kumble Nayak* [Nov 2020 - Dec 2020]
 - Read 6 chapters of the book "A First course in General Relativity" by Bernard F. Schutz, and read the paper on Gravitational Wave Astronomy (<https://arxiv.org/abs/gr-qc/9911034>)
- **Winter Project** | *Prof. P.K Panigrahi* [Nov 2018 - Dec 2018]
 - Read and presented the paper: *Quantum Violation of Pigeonhole Principle and the nature of quantum correlations*

RELEVANT COURSES

- **Mathematics:** Advanced Linear Algebra, Measure Theoretic Probability, Representation theory, Abstract Algebra, Graph Theory and Combinatorics, Topology, Complex Analysis, Functional Analysis, Measure Theory, ODE & PDE
- **Computer Science:** Programming and Data Structures, Natural Language Processing, Search Methods in Artificial Intelligence, Information Retrieval.

SCHOLASTIC ACHIEVEMENTS

- Qualified Joint UGC-CSIR NET (JRF) in Mathematics (AIR: 123) [2023]
- Got All India Rank 1280 in *Graduate Aptitude Test in Engineering (GATE) 2024* with Mathematics [2024]
- Got **CERTIFICATE OF PROFICIENCY** in *Qiskit Challenge India* organised by IBM. [Sep 16, 2020]
- Got **CERTIFICATE OF QUANTUM EXCELLENCE** in *Qiskit Global Summer School* organised by IBM. [July 20-31, 2020]
- Qualified **Joint Entrance Examination -Advanced**. [2018]

POSITIONS OF RESPONSIBILITY

- **Teaching Assistant** | *Prof. Saugata Bandhopadhyaya* [Oct 2022 - March 2023]
 - Responsible for weekly tutorial of the course MA1101
- **Department Representative** | **18MS Batch** [Aug 2020 - May 2023]
 - Responsible for communicating batch's feedback on various academic issues to higher authorities.

SKILLS & INTERESTS

- **Programming Languages:** C, Python, Javascript, Matlab, Arduino
- **Tools & Libraries:** Scipy, Matplotlib, Gnuplot, Qiskit, Numpy, Tensorflow \LaTeX
- **Operating System:** Windows, Linux
- **Web Designing:** HTML, CSS, JAVASCRIPT