

Sujit Kumar

Math Honors Undergraduate
Kirori Mal College, University of Delhi

Email : sujitsuman1641@gmail.com

Mobile : +91-6206272665

Location: Delhi, India

EDUCATION

- **Kirori Mal College, University of Delhi** Delhi, India
B.Sc. (Hons.) Mathematics 2023 – 2026 (Expected)
 - **Current CGPA: 8.77 / 10.0** (up to Semester IV)
 - **Key Grades:** Multivariate Calculus (10/10), Differential Equations (10/10), Algebra (10/10), Group Theory (10/10).
- **Simultala Awasiya Vidyalaya (BSEB)** Jamui, Bihar
Intermediate (Class XII) – Science 2023
 - Percentage: 84.6% (423/500) — First Division
- **Simultala Awasiya Vidyalaya (BSEB)** Jamui, Bihar
Matriculation (Class X) 2021
 - Percentage: 94.6% (473/500) — First Division

ACADEMIC INTERESTS

- **Pure Mathematics:** Ring Theory, Group Theory, Real Analysis, Topology.
- **Applied Mathematics:** Partial Differential Equations (PDE), Numerical Analysis, Computable Analysis.

WORKSHOPS & TRAINING

- **Undergraduate Summer Program 2025** Delhi, India
IIT-Delhi (Indraprastha Institute of Information Technology) June 16, 2025 – June 28, 2025
 - Participated in an intensive two-week mathematics program hosted by the Dept. of Mathematics.
 - Engaged in lectures and problem-solving sessions focused on advanced undergraduate topics.
- **National Workshop on Undergraduate Mathematics (NWUM-2025)** Jaipur, Rajasthan
The LNM Institute of Information Technology (LNMIIT) Feb 10, 2025 – Feb 11, 2025
 - Attended specialized sessions on core mathematical concepts organized by the Dept. of Mathematics.
 - Gained exposure to research methodologies and higher-level problem-solving techniques.

PROJECTS & EXPERIENCE

- **Numerical Simulations of Differential Equations** Python, NumPy
Academic Project Fall 2024
 - Implemented numerical methods (Euler, Runge-Kutta) in Python to solve Ordinary Differential Equations.
 - Analyzed error convergence and stability of solutions against analytical results.
 - Created visualizations of vector fields and solution curves to demonstrate system behaviors.
- **Mathematical Typesetting & Documentation** LaTeX
Coursework Assignment Nov 2024
 - Drafted comprehensive notes and assignments for Partial Differential Equations using LaTeX.
 - Structured complex mathematical proofs and formatted equations for academic presentation.

TECHNICAL SKILLS

- **Languages:** Python (Intermediate), C/C++ (Basic).
- **Software & Tools:** LaTeX (Advanced), Mathematica, MS Office.

RELEVANT COURSEWORK

- **Core Math:** Riemann Integration, Group Theory, Ring Theory, Multivariate Calculus, Linear Algebra, Probability & Statistics.
- **Computational:** Numerical Analysis, Mathematical Modeling, Programming using Python.