

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

B.Sc. (Hons.) Mathematics

Delhi, India

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)

Intermediate (Class XII) – Science

Jamui, Bihar

2023

- Percentage: 84.6% (423/500) — First Division

• Simultala Awasiya Vidyalaya (BSEB)

Matriculation (Class X)

Jamui, Bihar

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

IIT-Delhi (Indraprastha Institute of Information Technology)

Delhi, India

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)

The LNM Institute of Information Technology (LNMIIT)

Jaipur, Rajasthan

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

Academic Project

Python, NumPy

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

Coursework Assignment

LaTeX

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.