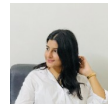




KANISHKA



ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	M.Sc in Mathematics	Indian Institute of Technology Delhi	7.4
2024	B.Sc. (Hons) Mathematics (Sp. Statistics)	Manipal University, Jaipur	9.61
2021	CBSE	Nosegay Public School, Sri Ganganagar	87.4%
2019	CBSE	Birla Balika Vidyapeeth, Pilani	92%

SCHOLASTIC ACHIEVEMENTS

- **JAM (Mathematics):** Secured 243 rank out of 12079 candidates.
- **Merit-based Scholarship (Manipal University Jaipur):** Awarded for academic excellence with highest GPA.
- **Dean's List for Excellence in Academics (Manipal University Jaipur):** Recognized for achieving the highest GPA in B.Sc. (Hons) Mathematics during the Third and Fourth Semesters.
- **NPTEL Topper (IIT Kanpur):** Ranked Top 5% nationally in Foundations of R Software with a 94% consolidated score.
- **Diploma in Data Science, IIT Madras:** Cleared the competitive national-level entrance examination. Completed the first semester with a GPA of 9.0 but exited the program to pursue M.Sc.

TECHNICAL SKILLS

- **Links:** [Portfolio Website](#) , [GitHub](#)
- **Programming & Computing:** Python (Pandas, NumPy, Matplotlib), R, MATLAB, C Programming, SPSS, LaTeX, GenAI.
- **Data Analysis & Visualization:** Data Cleaning and Preprocessing, Exploratory Data Analysis (EDA), Time-Series Analysis, Comparative and Trend Analysis, Data Visualization and Insight Communication.
- **Relevant Courses:**
 - **Coursera:** What is Data Science? ; Tools for Data Science ; Data Science Methodology ; Python for Data Science, AI & Development ; Introduction to Programming with MATLAB
 - **NPTEL:** Foundations of R Software - **Others:** Generative AI (Growth School)

POSITIONS OF RESPONSIBILITY

- **Campus Ambassador, Manipal University Jaipur (2022-2023):** Acted as a liaison between university administration and students; drove student engagement initiatives, outreach programs, and coordinated institutional events.
- **General Secretary, Tractrix Club (2023-2024) :** Led academic and problem-solving initiatives, coordinated departmental events, and facilitated peer-learning activities, strengthening student participation and academic culture.

PUBLICATIONS & PATENTS

- **Reliability and Signature Evaluation of Juice Clarification Systems of Sugar Industry**, International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2025), Lecture Notes in Networks and Systems (Springer), 2026 (DOI: 10.1007/978-981-96-9048-0_3)
 - Conducted a comprehensive reliability analysis of a repairable industrial mixed system using probabilistic modeling.
 - Derived the system reliability function and analysed component criticality through system signature-based measures.
 - Computed mean time to failure (MTTF) and expected cost rate to evaluate maintenance efficiency and long-term operational performance.
 - Interpreted analytical results to support data-driven maintenance and reliability decisions.

PROJECTS

- **Women's Representation in Asian Parliaments (1945–2018) (Nov, 2025)**
 - Conducted longitudinal analysis of women's parliamentary representation across 29 Asian countries over 7 decades. ; Cleaned, standardized, and integrated multi-source datasets to ensure cross-country and temporal comparability. ; Identified long-term trends, regional leaders, and growth patterns, assessing the impact of policy reforms and governance. ; Communicated insights through time-series, comparative, and distribution visualizations using Python.

WORK EXPERIENCE

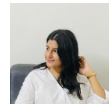
- **Chegg India, Subject Matter Expert – Advanced Mathematics (Sep 2022 – Oct 2023):** Provided high-quality solutions for undergraduate and advanced mathematics under rigorous quality standards.

EXTRA CURRICULAR ACTIVITIES

- **Republic Day Parade - Rajpath, New Delhi (2018):** Represented NCC Directorate Rajasthan at Rajpath, New Delhi; performed in nationally televised ceremonies, saluting the President of India.
- **Prime Minister's Rally – NCC Band (2018):** Performed and saluted Hon'ble Prime Minister Shri Narendra Modi.



KANISHKA



IIT COURSE

Degree	Institute	CGPA	Dept. Rank
M.Sc in Mathematics	Indian Institute of Technology Delhi	7.4	---

COURSES DONE

Algebra, Introduction To Computer Programming, Introduction To Probability, Real Analysis, Linear Algebra