Ankit Choudhary

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EDUCATION

M.Sc., Computational Mathematics And Data Science   2025 - 2027
NIT Rourkela

CGPA: 7.95/10

Integrated B.Sc. & B.Ed., Mathematics   2021 - 2025
Sh. Rameshwar Lal Sharama Teacher Training College, Kajra , Pilani

CGPA: 7.23/10

Senior Secondary (XII), CBSE   2020
Science

Tagore Public School

Percentage: 82.20%

Secondary (X), CBSE   2018
Tagore Public School

Percentage: 79.33%

TRAININGS / CERTIFICATIONS

Python Essentials – Cisco (2025)
Aug 2025 - Sep 2025

CISCO, Virtual

PROJECTS

End-to-End Prediction Pipeline (Titanic Survival) ↗
Dec 2025 - Jan 2026

Python, Scikit-learn
• Developed a production-style end-to-end machine learning pipeline on the Kaggle Titanic dataset
• Handled missing values, encoded categorical variables, and trained classification models
• Ensured modular, reusable, and reproducible pipeline-based workflow

Numerical Analysis Laboratory ↗
Aug 2025 - Nov 2025

Numerical Methods Covered: Root Finding: Bisection, Regula-Falsi, Secant, Newton–Raphson, Chebyshev. Linear Systems: Jacobi, Gauss–Seidel, LU Decomposition, Gaussian Elimination. Interpolation: Newton's Divided Difference, Lagrange Interpolation. Differential Equations: Euler's Method, Heun's Method, Runge–Kutta (including RK4).

Probability and Statistics Laboratory ↗
Jan 2026 - Present

 Developed C++ programs for statistical data analysis and numerical experimentation

Heatwave Prediction in Rajasthan (Summer 2026) ↗
Jan 2026 - Present

Python, Scikit-learn
• Conducted exploratory data analysis on multi-year meteorological data to study summer heatwave behavior.
• Modeled temperature–humidity interactions and classified heatwave severity using derived heat index metrics.
• Applied statistical and machine learning techniques to predict heatwave occurrence for Summer 2026.

SKILLS

- Mathematics
- Data Structures
- Python
- Machine Learning
- MySQL

ADDITIONAL DETAILS

- IITJAM 2025 AIR - 746