Ankit

📞 +91-8000615211 | ✉ choudharyankit3002@gmail.com | 🔗 LinkedIn | 🔗 GitHub

Education

National Institute of Technology, Rourkela   2025 – Present
M.Sc. in Computational Mathematics and Data Science   (certificate)   CGPA: 7.95

Sh. Rameshwar Lal Sharma Teacher Training College, Pilani   2021 – 2025
B.Sc. – B.Ed   (certificate)   CGPA: 7.23

Relevant Coursework

Probability and Statistics, Linear Algebra, Optimization, Numerical Analysis, Differential Equations, Discrete Mathematics, Finite Automata, Calculus of several variable, Complex Analysis.

Experience

Numerical Analysis Laboratory 🔗   2025
Python
- Implemented algorithms for nonlinear equations, linear systems, and ODE models
- Performed convergence and error analysis for numerical stability
- Benchmarked efficiency of iterative computational methods

Statistics Laboratory 🔗   2026
C++
- Built statistical computation programs from scratch (no STL)
- Implemented simulation models for probability distributions
- Computed descriptive and inferential statistics efficiently

Projects

Heatwave Prediction in Rajasthan for Summer 2026 🔗
Python, Scikit-learn
- Conducted EDA on multi-year meteorological datasets
- Engineered heat index features (temperature-humidity interaction)
- Applied ML models to predict heatwave occurrence

End-to-End ML Pipeline (Titanic Survival) 🔗
Python, Scikit-learn
- Developed modular ML pipeline with preprocessing and classification
- Handled missing values and categorical encoding
- Built reproducible, pipeline-based workflow

Technical Skills

Programming: Python, C++
Database: MySQL
Machine Learning: Linear Regression, Logistic Regression, Decision Trees
Deep Learning: TensorFlow, Keras
Data Analysis: EDA, Statistical Modeling, Data Pipelines
Tools: Git, GitHub

Certification

Python Essentials – Cisco (2025)   (certificate)