Roudranil Das

📍 *Kolkata, West Bengal, India* 🌐 [Portfolio Website](#)

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EDUCATION

2022 - 2024 (ongoing) Tamil Nadu, India	**M.Sc. Data Science** **Chennai Mathematical Institute**
2019 - 2022 West Bengal, India	**B.Sc. Mathematics (Honours)** **St. Xavier's College (Autonomous), Kolkata** *CGPA*: 8.46

PROJECTS

Oct 2022 - Dec 2022
☺ Link

Deforestation and Forest Conversion
Tools used: R, ggplot, tidyverse, R-Shiny | Chennai Mathematical Institute
– Created visualisations to better understand causes for deforestation. [Report]
– Built a dashboard web app with `R Shiny` for the above. [Dashboard]

Oct 2021 - May 2022
☺ Link

Bayesian Analysis of Efficacy of the ChAdOx1 nCoV-19 (AZD1222) Vaccine
Tools used: Python, PyMC3, Matplotlib | St. Xavier's College, Kolkata
– Used Bayesian inference to compute the vaccine efficacy.
– Cross checked vaccine efficacy using standard and hierarchical Bayesian models with `PyMC3`.

ongoing
☺ Link

Financial Literacy among 18-35 Year Olds
Tools used: Python, NumPy, pandas, Statsmodels, Matplotlib
– Collected responses to questions measuring financial literacy and scored them.
– Performed exploratory statistical analysis to determine factors of financial literacy

TECHNICAL SKILLS

Languages	`Python`, `MySQL`, `R`, `C`, LaTeX
Tools/Frameworks	Minitab, NumPy, Pandas, Matplotlib, Scikit-Learn, ggplot2, Git, PyTorch

KEY COURSES TAKEN

Postgraduate	Python and Data Structures, Visualisation with `R`, Probability and Statistics with `R`, RDBMS and SQL
Undergraduate	Linear algebra, Real analysis, Multivariable Calculus, Differential equations, Mathematical Statistics, `R`, `C`
Others	Data Analysis with R Prorgamming, Algorithms, Supervised ML, NLP

AWARDS AND ACHIEVEMENTS

2017	**Jagadish Bose National Science Talent Search Junior Scholarship Awardee**
2019	**Jagadish Bose National Science Talent Search Senior Scholarship Awardee**
2019	**INSPIRE Scholarship for Higher Education, Dept. of Science and Technology, Government of India**

POSITIONS OF RESPONSIBILITY

CMI 2022	**Placement Representative** Serving as a representative on the CMI Placement Committee.
St. Xavier's College, Kolkata, 2021	**Director, Systems, Analytica 2021** Successfully served as the technical lead in the first online fest of the Department of Mathematics - Analytica 2021.

EXTRACURRICULAR

2017 onwards	**Music** Have been playing the mandolin since 2017.