

Ranjan Das

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EDUCATION

- **Indian Institute of Information Technology Lucknow** Lucknow, India
Master of Science in Data Science (CGPA: 7.68/10) July 2023 - June 2025
- **University of Kalyani** Kalyani, India
Bachelor of Science (Honours) in Mathematics (CGPA: 8.99/10) July 2019 - June 2022

EXPERIENCES & RESPONSIBILITIES

- **Teaching Assistant under the Dean of Academics, IIIT Lucknow** Lucknow, India
Course: Discrete Mathematics for Computer Science January 2024 - May 2024
 - Assisted in checking answer sheets, and contributed to the success of 100+ students through mentoring and assistance.

SKILLS

- **Languages:** Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn), C++, SQL, HTML/CSS.
- **Data Science Tools/Technologies:** Excel, Power BI, Apache Spark, Data Processing, Exploratory Data Analysis, Data Visualization & Reporting, PyTorch, XGBoost.
- **Developer Tools:** Jupyter Notebook, Git, GitHub, Azure Cloud Platform, Snowflake, VS Code.
- **Core Subjects:** Machine Learning, Regression Analysis, DBMS, Data Warehouse, Statistics.
- **Other Skills:** Critical Thinking, Problem Solving, Time Management, Team Work, Communication Skills.

PROJECTS

- **NYC Taxi Data Pipeline** 🔗 GitHub
Tech Stack: Azure Cloud Platform, Azure Data Factory, Databricks, Delta Lake, Key Vault. January 2025
 - Built an end-to-end data pipeline on Azure using **Data Factory**, **Databricks**, and **Delta Lake** to ingest, transform, and analyze NYC Taxi data.
 - Implemented robust security measures using Azure **Key Vault** for access control and credential management.
- **BlinkIT Sales Dashboard** 🔗 GitHub
Tech Stack: MS Excel, Data Analysis, Reporting October 2024
 - Created an interactive MS Excel Sales Dashboard for Blinkit, analyzing over **8,500+** items sold across **20+** grocery outlets
 - Highlighted key insights, including **\$1.20M** in total sales, customer ratings of **4.0**, and sales trends across outlet size, location, and product type, enabling data-driven decisions for business optimization
- **Paris-2024 Olympic Dashboard** 🔗 GitHub
Tech Stack: MS Excel, Power BI, Data Analysis, Data Modeling, Reporting August 2024
 - Developed a dashboard analyzing over **10,000+ rows** of Olympic data, implementing statistical techniques to identify trends in performance and medal outcomes.
 - Applied **data transformation**, **DAX** modeling, and enhanced interface usability by 30%.
- **Real Estate Insights & House Price Prediction** 🔗 GitHub
Tech Stack: Python, Excel, Data Analysis, Machine Learning, Scikit-Learn, Streamlit August 2024
 - Developed a **data-driven pricing model** and **personalized property recommendation system**, attracting **100+** clients and reducing user search time by **40%**.
 - Built a **House Price Prediction System**, achieving **90%** accuracy on a dataset of **15,000+** entries.
 - Enhanced user engagement by **20%** through interactive **neighborhood analysis visualizations**.

CERTIFICATIONS

- **Complete Data Analyst Bootcamp From Basic to Advanced** 🔗 Udemy Decembor 2024
- **Foundations of Data Science** 🔗 Coursera June 2024
- **Machine Learning Specialization** 🔗 Coursera March 2024