JANOJIT CHAKRABORTY

M.Sc in Big Data Analytics
RKMVERI, Howrah, West Bengal, India

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EXPERIENCE

Summer Research Fellow
IIT Ropar

📅 May 2025 – Present   📍 Ropar, India

Mentor: Dr. Sudarshan Iyengar | IASc-INSA-NASI Fellow

Data Analytics Intern
Exavalu Solutions

📅 Jan.–Apr. 2024   📍 Kolkata, India

Analyzed Superstore dataset with Tableau, created interactive dashboards.

Project Intern
Indian Statistical Institute

📅 Jul.–Aug. 2023   📍 Kolkata, India

WPI Compilation Project at Sampling and Official Statistics Unit (DES Tripura).

Research Intern
RKM Vidyamandira

📅 Jul.–Aug. 2022   📍 Howrah, India

Worked on ML-based analysis in smart agriculture and health.
Mentor: Dr. Arindam Sarkar

PROJECTS

- **Multi-modal Hate Speech Detection** Tools: PyTorch, MobileNetV2, GloVe [Link]
  Apr.-May 2025
  - Built 6 deep learning models combining text and image data for hate speech detection.
  - Implemented fusion strategies and resolved label ambiguity using majority voting.
- **Spotify Track Popularity Prediction** Tools: scikit-learn [Link]   *Nov. 2024*
  - Applied regression models to predict track popularity from audio features.
  - Compared traditional vs ensemble methods for predictive performance.
- **Reddit Comment Detection System** Tools: PRAW, SMOTE, scikit-learn [Link]
  Apr. 2023
  - Classified Reddit comments as Normal, Provoking, or Racist.
  - Used SMOTE to address class imbalance.
- **Analytics on Indian Agriculture and Economy** Tools: Streamlit, Pandas [Link]
  Nov.-Dec. 2022
  - Built predictive models to analyze crop yield, rainfall, GDP linkages.
  - Scraped, merged datasets; deployed app via Streamlit.

HONOURS AND AWARDS

- GATE DA 2025 Qualified – IIT Roorkee
- Co-Curricular Scholarship – CHRIST University (2024)

EDUCATION

- **RKMVERI, Howrah**
  M.Sc. Big Data Analytics
  📅 2024 – Present

- **CHRIST (Deemed to be University), Pune**
  B.Sc. Data Science
  📅 2021 – 2024 | CGPA: 3.67/4

COURSE WORK

- Machine Learning
- Deep Learning
- NLP
- Big Data Tools
- Statistics
- Python
- R
- Computer Vision
- Data Warehousing
- DBMS
- Probability and Stochastic Process
- DSA
- Linear Algebra and Matrix Computation

SKILLS

- **Languages:** Python, R, SQL, LaTeX
- **Databases:** MySQL, MongoDB, Neo4j
- **Frameworks:** scikit-learn, Streamlit, Hadoop, Spark, Ray, PyTorch
- **Tools:** Git, Tableau, Excel

VOLUNTEERING

- Student Volunteer at IACIDS 2023 (CHRIST University, Pune)
- Member, Student Council, CHRIST University, Pune (2023–2024)

LANGUAGES

- Bengali (Native)
- English
- Hindi

HOBBIES

- Football