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 – July 2025 📍 Ropar, India

Mentor: Dr. Sudarshan Iyengar | IASc-INSA-NASI Fellow
Project: **Speech Completion Prediction**

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

- Recipient of the **prestigious IASc-INSA-NASI Summer Research Fellowship**
- 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
- Deep Reinforcement Learning
- Linear Algebra and Matrix Computation
- R
- Computer Vision
- DSA
- Statistics
- DBMS
- Deep Learning for Cybersecurity
- Probability and Stochastic Process
- Python

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

- Playing and Watching Football
- Watching Stand-Up Comedy
- Exploring Philosophy and Thoughts