Janojit Chakraborty

Nationality: Indian **Date of birth:** 04/12/2003 **Gender:** Male **Phone number:** (+91) 9674568772

Email address: janojitchakraborty8303@gmail.com

WhatsApp Messenger: +919674568772

LinkedIn: https://www.linkedin.com/in/janojit-chakraborty-a50a25235/

Website: https://github.com/Janojit

Home: Flat No: 3B 154A Kalicharan Ghosh Road, 700050 Kolkata (India)

ABOUT ME

A passionate postgraduate student in Big Data Analytics, eager to contribute in the field of Artificial Intelligence and Machine Learning. I aim to apply my skills in data science and AI to solve real-world problems and advance knowledge in these fields.

WORK EXPERIENCE

Indian Institute Of Technology, Ropar – Ropar, India

City: Ropar | **Country:** India

Summer Research Fellow

[19/05/2025 – Current]

Joined IIT Ropar as an IASc-INSA-NASI Summer Research Fellow 2025 under the mentorship of Dr. Sudarshan Iyengar.

Exavalu Solution India Private Limited – Kolkata, India

City: Kolkata | **Country:** India | **Website:** https://www.exavalu.com/ | **Business or sector:** Information and communication

Intern

[03/01/2024 – 23/04/2024]

- During my internship at Exavalu Kolkata, I analyzed the Superstore dataset using Tableau, developing interactive dashboards and visualizations to derive actionable insights for sales, customer demographics, and product categories.

Indian Statistical Institute – Kolkata, India

City: Kolkata | **Country:** India | **Website:** https://www.isical.ac.in/~sosu/welcome | **Name of unit or department:** Sampling and Official Statistics Unit - **Business or sector:** Professional, scientific and technical activities

Intern

[06/07/2023 – 18/08/2023]

- I worked as an intern in the Department of Sampling and Official Statistics (SOSU) at Indian Statistical Institute (ISI), Kolkata. I was involved in the project titled 'WPI (Wholesale Price Index) Compilation of DES Tripura'.

Ramakrishna Mission Vidyamandira – Howrah, India

City: Howrah | **Country:** India | **Website:** https://vidyamandira.ac.in/department/computerscience/ | **Name of unit or department:** Department of Computer Science and Electronics

Research Intern

[06/07/2022 – 18/08/2022]

- I have worked on a project on Machine Learning-based data analysis in the domain of smart agriculture, smart health and intrusion detection system under Dr. Arindam Sarkar.

EDUCATION AND TRAINING

MSc in Big Data Analytics

Ramakrishna Mission Vivekananda Educational and Research Institute [22/07/2024 – Current]

City: Howrah | **Country:** India | **Website:** https://rkmvu.ac.in/ | **Level in EQF:** EQF level 7

Bachelor of Science (Data Science)

CHRIST (Deemed to be University) [06/08/2021 – 15/06/2024]

City: Pune | **Country:** India | **Website:** https://christuniversity.in/ | **Final grade:** 3.67/4 | **Level in EQF:** EQF level 6

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Hindi

LISTENING C2 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

PROJECTS

[04/2025 – 05/2025]

Multi-modal Hate Speech Detection using the MMHS150K Dataset

Developed and evaluated six deep learning models combining text and image data for hate speech detection. Implemented multimodal fusion strategies (GloVe, OCR, MobileNetV2) and handled label ambiguity via majority voting. Achieved best performance with 48.81% accuracy and 0.5048 F1 score using a residual fusion model. Addressed class imbalance using weighted loss functions and stratified data splits.

Link: https://github.com/Janojit/Multi-modal-Hate-Speech-Detection-using-MMHS150K-Dataset

[11/2024 – 11/2024]

Predicting Spotify Track Popularity Using Machine Learning Models

This study explores the application of various machine learning models to predict the popularity of music tracks on Spotify. Using a comprehensive dataset of track features, we implemented and compared multiple regression models, including traditional algorithms and advanced ensemble techniques. The research demonstrates different ensemble methods. The study provides insights into the relationship between audio features and track popularity, offering valuable implications for music industry stakeholders.

Link: https://github.com/Janojit/Predicting-Spotify-Track-Popularity-Using-Machine-Learning-Models-

[04/2023 – 04/2023]

Reddit Comment Detection System

I developed Reddit Comment Detection System using NLP and machine learning to classify comments into three categories: Normal, Provoking, or Racist. I used PRAW to collect over 290,000 Reddit comments. Then cleaned, prepared and balanced the dataset with SMOTE. This project improved my skills in text analysis, data preprocessing and applying machine learning to gain insights from social media.

Link: https://github.com/Janojit/Reddit-Comment-Detection-System

[11/2022 – 12/2022]

Analytics on Indian Agriculture with Economy

Successfully completed an analytical project on the Indian Agricultural Industry, analyzing state-wise agriculture effects on the economy using parameters such as crop production, rainfall, and GDP. Built and deployed predictive models using Streamlit. This project helped me to gain hands-on experience in PDF scraping, merging datasets, regression models, and model deployment through Streamlit.

Link: https://github.com/Janojit/Analytics-on-Indian-Agriculture-with-Economy

HONOURS AND AWARDS

[14/06/2024] CHRIST (Deemed to be University), Pune Lavasa Campus

Co-Curricular Scholarship

I was awarded Co-Curricular Scholarship for my contributions to the Student Council by CHRIST (Deemed to be University), Pune Lavasa Campus.

VOLUNTEERING

[23/11/2023 – 25/11/2023] Pune

Student Volunteer

Served as a Volunteer in the International Conference on Artificial Intelligence, Communication, IoT, Data Engineering and Security (IACIDS 2023) organised by the Department of Data Science CHRIST (Deemed to be University), Pune Lavasa Campus - 'The Hub of Analytics'.

[17/10/2023 – 15/06/2024] Pune

Student Council Member

I was a Student Council member during my undergraduate studies, where I worked to represent students, organize events, and coordinate with teachers and classmates. This role helped me improve my leadership, teamwork, and communication skills while building a stronger sense of community among students.