

Janojit Chakraborty

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ABOUT ME

A passionate postgraduate student in Big Data Analytics, eager to contribute to research programs 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.

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

WORK EXPERIENCE

Intern

Exavalu Solution India Private Limited [03/01/2024 – 23/04/2024]

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

- 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.

Intern

Indian Statistical Institute [06/07/2023 – 18/08/2023]

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

- 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'.

Research Intern

Ramakrishna Mission Vidyamandira [06/07/2022 – 18/08/2022]

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

- 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.

PROJECTS

[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>

DIGITAL SKILLS

Python Programming

MySQL

MongoDB

Java Programming

Hadoop

Latex

Tableau

MS Excel

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

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.

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.