

ARGHYA CHAKRABORTY

3rd Year Undergraduate

The Neotia University, India

English, Bengali, Hindi

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EDUCATION

– Behala High School (<i>All-time 2nd rank holder in academics</i>)	2015-2023
10 th Standard= 91%	
12 th Standard= 80% (Physics, Chemistry, Maths, Biology)	
– The Neotia University	2023-2027
Bachelor of Technology in Computer Science with specialization in AI & ML	SGPA: 9.62/10 CGPA: 9.57/10 (Till 4 th Sem)

WORK EXPERIENCE

- Code Clause Pvt. Ltd., *Data Science Intern, Remote, Pune* 1st June 2025 – 1st July 2025
- Worked on two NLP-based machine learning projects — Sentiment Analysis on Movie Reviews and Movie Genre Prediction. Utilized techniques such as text preprocessing, TF-IDF vectorization, and classification algorithms to analyze textual data and build predictive models.

PROJECTS

- Music Therapy Recommender
- Created a web app that detects user mood from text using NLP and recommends suitable Hindi-Bengali songs. It uses emotion classification and clustering to suggest mood-based music for therapy.
- Taxi Fare Prediction Model
- Developed a regression model to predict taxi fares based on ride distance, time, and passenger details. Utilized supervised learning algorithms, feature engineering, and model evaluation metrics like RMSE and R² to assess performance.
- Product Recommendation System
- Built a content-based recommendation model that suggests similar products based on features like brand, category, and product type. Used cosine similarity to match items and return personalized recommendations.
- Movie Genre Prediction
- Created a machine learning model to predict a movie's genre from its plot summary using Natural Language Processing techniques like TF-IDF and classification algorithms (e.g., Logistic Regression, Naive Bayes).

TECHNICAL SKILLS AND SOFT SKILLS

Programming Languages: Python, Java, C, R.

Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, Beautiful Soup.

Machine Learning: Understanding of ML concepts, data preprocessing, model building.

Databases: MySQL, Oracle.

Operating Systems: Linux (Basic CLI).

Skills: Leadership, Management, Teamwork, Communication, Problem solving, Presentations.

CERTIFICATES

- Python Libraries for Data Science – Simplilearn, June 2024
- 30 Hours Hands-on Training in Foundations and Practical Applications of AWS, -- Dataspace Academy, Nov 2024
- One Week STTP — Revolutionizing Signal Processing: The Impact of AI and ML, -- DIT-IEEE-SPS, Mar 2025.

HOBBIES

- Drawing
- Watching technical content on YouTube to improve skills
- Reading story books
- Listening to music