

# ARGHYA CHAKRABORTY

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3rd Year Undergraduate, The Neotia University, India

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English, Bengali, Hindi

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## SUMMARY

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A results-driven Computer Science undergraduate specializing in AI and ML, seeking to leverage academic and internship experience in data science and machine learning to contribute to innovative Python development roles with a focus on AI and NLP.

## SKILLS

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- Programming Languages: Python, Java, C, R
- Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, Beautiful Soup
- Machine Learning: Expertise in NLP, sentiment analysis, classification, regression, feature engineering, model evaluation
- Databases: MySQL, Oracle
- Operating Systems: Linux (Basic CLI)
- Soft Skills: Leadership, Management, Teamwork, Effective Communication, Problem-Solving, Presentation Skills

## PROFESSIONAL EXPERIENCE

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Code Clause Pvt. Ltd., Data Science Intern, Remote, Pune, 1st June 2025 – 1st July 2025

- Developed and deployed two successful NLP-based machine learning projects: Sentiment Analysis on Movie Reviews and Movie Genre Prediction, utilizing text preprocessing, TF-IDF vectorization, and classification algorithms.
- Applied natural language processing and machine learning techniques to analyze textual data and build predictive models, contributing to the company's data-driven decision-making process.

## EDUCATION

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The Neotia University, Bachelor of Technology in Computer Science with specialization in AI & ML, 2023-2027 (Expected)

- SGPA: 9.62/10, CGPA: 9.57/10 (Till 4th Semester)

- Coursework: Advanced Machine Learning, Artificial Intelligence, Natural Language Processing, Computer Vision, Algorithms and Data Structures, Database Management Systems

Behala High School, 2015-2023

- 10th Standard: Scored 91%

- 12th Standard: Scored 80% (Physics, Chemistry, Maths, Biology)

## PROJECTS

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- Music Therapy Recommender: Created a web application that detects user mood through text analysis using NLP and recommends therapeutic Hindi-Bengali songs. Employed emotion classification and clustering techniques for personalized music suggestions.

- Taxi Fare Prediction Model: Built a regression model to forecast taxi fares based on ride details, utilizing supervised learning, feature engineering, and evaluation metrics like RMSE and  $R^2$  for accurate predictions.
- Product Recommendation System: Developed a content-based recommendation engine using cosine similarity to suggest similar products, enhancing user experience and sales potential.
- Movie Genre Prediction: Constructed an ML model to classify movie genres from plot summaries, leveraging TF-IDF and classification algorithms for accurate genre assignments.

## **CERTIFICATIONS**

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- 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**

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Drawing, staying updated with technical content on YouTube, reading storybooks, and listening to music.