

ADITYA LAHIRI

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A B.Tech in Computer Science Engineering student with a growing passion for real-life impactful projects. I have gained an understanding foundation in Data Structures and Algorithms (DSA), Database Management Systems (DBMS), and Object-Oriented Programming (OOP). My career aspirations lie in web development, and I am enthusiastic about continuous learning and growth.

EXPERIENCE

ITEM MUN | ORGANISING COMMITTEE REPRESENTATIVE

2024

- Successfully coordinated and managed event logistics, ensuring 100% timely venue setup and adherence to the planned schedule.
- Improved delegate experience by implementing efficient scheduling and engagement strategies, leading to a 20% increase in positive feedback from participants.

SYTRON HACKATHON | EVENT VOLUNTEER

2022

- Organized the Sytron Hackathon Event in collaboration with the IEEE Computer Society.
- Looked after the technical part of the event as an assistant for 2-3 days.
- Enhanced the completion efficiency of the event by 20%.

PROJECTS

LOAN APPROVAL PREDICTION ANALYSIS MODEL

- Working on the “Loan Approval Prediction Analysis Model” under the supervision of **Prof. Piyali Dutta** using Machine Learning. The loan Approval Prediction Model analyzes user attributes to determine loan eligibility.
- Responsible for the coding aspect of the project, using simple and logistic regression models for a better yield of accuracy.
- Resulted in an accuracy of 93 %.

CO2 Emission Prediction Model

- Tested and evaluated **5+ Machine Learning models** to predict CO2 emission rates from automobiles.
- Conducted a comprehensive evaluation of various Machine Learning models including Regression, Decision Trees, Random Forest, and Neural Networks.
- Achieved a **15% improvement** in prediction accuracy through model optimization and hyperparameter tuning, reducing error rates by **20%**.

Health-care chatbot

- Developed an intelligent healthcare chatbot using Streamlit, enabling users to ask medical-related questions and receive real-time responses
- Ensured scalability and performance by implementing efficient algorithms.

CERTIFICATIONS

Machine Learning Specialization (UNIVERSITY OF WASHINGTON)

Coursera

Awarded Best Delegate at NITMUN 2025 for outstanding leadership and merit

EDUCATION

INSTITUTE OF ENGINEERING AND MANAGEMENT

Kolkata,

Bachelor of Engineering, Computer Science Engineering

2022-2026

- Completing a four-year study with an aggregate of **8.45 CGPA**.

DELHI PUBLIC SCHOOL

Durgapur

Higher Secondary; CBSE

2020-2022

MARY IMMACULATE SCHOOL

Berhampore

Secondary; ICSE

2020

KEY SKILLS

- Technical Skills: Java, Python, Machine Learning, Bootstrap, Javascript, HTML/CSS
- Development Tools : VS Code, Github, MongoDB (basics), Firebase
- Others: MS Office, XAMPP, Adobe Lightroom