

Ayantanu Laha

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EDUCATION

Ramakrishna Mission Vivekananda Educational and Research Institute <i>M.Sc in Computer Science</i>	Howrah, India 2023 – 2025
Ramakrishna Mission Residential College, Narendrapur <i>B.Sc in Computer Science</i> <ul style="list-style-type: none">CGPA: 9.61/10.0	Kolkata, India 2020 – 2023
Dhaniakhali Mahamaya Vidyamandir <i>Higher Secondary Education</i> <ul style="list-style-type: none">Percentage: 93.2%	Dhaniakhali, India 2020
Dhaniakhali Mahamaya Vidyamandir <i>Secondary Education</i> <ul style="list-style-type: none">Percentage: 91.8%	Dhaniakhali, India 2018

EXPERIENCE

3-Day Workshop on Medical Data Analysis using Python <i>Indian Statistical Institute, Kolkata</i> <ul style="list-style-type: none">Attended a focused workshop on Medical Data Analysis using Python. Gained practical skills in Python programming for analyzing medical datasets, enhancing proficiency in data analysis for healthcare applications.	June 2024
6th Summer School on AI <i>International Institute of Information Technology Hyderabad (IIITH)</i> <ul style="list-style-type: none">Covered various topics in AI, providing valuable insights and knowledge in Computer Vision, Machine Learning, etc.	2024 Hyderabad, India

PROJECTS

Ensemble Learning Strategies for Enhancing Predictive Models in Cardiology <ul style="list-style-type: none">Tools & Technologies: Python, Pandas, Numpy, Scikit-learn, Kaggle, Stacking classifier, Bagging classifier, Boosting classifier.Improved predictive models in cardiology by leveraging ensemble learning techniques such as bagging, boosting, and stacking. Ensemble methods combine multiple models to produce better predictions than any individual model alone, enhancing accuracy and robustness in diagnosing cardiac conditions.Link to Project: GitHub
PDF Genius: Empowering Document Interaction with AI Chatbot <ul style="list-style-type: none">Tools & Technologies: Python, Flask, React JS, MySQL, llama-2Developed a chatbot capable of processing and extracting information from PDF documents using natural language processing techniques. Integrated a user-friendly UI using React JS to enhance document interaction.Implemented search history functionality to allow users to track previous queries and easily revisit important documents.Designed quota management system to regulate user access and ensure fair usage of the chatbot's capabilities.Link to Project: GitHub
Movie Recommendation System using Streamlit <ul style="list-style-type: none">Tools & Technologies: Python, Pandas, Numpy, Streamlit.Developed a movie recommendation system using collaborative filtering techniques and Streamlit. Leveraged Python's Pandas for data processing and analysis. Integrated TMDB API for movie data and posters. Users can select a movie from a dropdown menu and get recommendations based on preferences and movie similarities.Link to Project: GitHub

SKILLS

- **Programming Languages:** Python, C++, Prolog, Haskell, HTML, CSS, JS, React JS
- **Tools & Technologies:** MySQL, Neo4j
- **Libraries & Frameworks:** NumPy, Pandas, Scikit-learn, NLTK, Pytorch, Flask, Streamlit

POSITIONS OF RESPONSIBILITY

Perceptron Tech fest 2024

RKMVERI, Howrah, India

Design Team Member

- Responsible for designing promotional materials, event banners, and brochures for the tech fest.

Seminar Committee

RKMRC, Narendrapur, India

Committee Member

2022 – 2023

- Assisted in organizing and managing seminars, workshops, and guest lectures for students and faculty.

INTERESTS

- Artificial Intelligence, Machine Learning, Natural Language Processing, Web Development, Graph Theory, DBMS