Avishek Patra

Linkedin:**LINK**

GitHub:**LINK**

Email: patraavishe881@gmail.com

Mobile: +918116698594

EDUCATION

Ramakrishnan Mission Vivekanada   **July 2022-May 2025**
Vivekanada Centenary College   **Rahara, Kolkata, India**
Bachelor's of Computer Science ; GPA: 8.54

SKILLS SUMMARY

- **Language :**   C++, Javascript,TypeScript,Python
- **Frameworks :**   Next.js, Express.js, React.js, Langchain
- **Tools & Technologies :** Thunder Client, Docker, Git, Postman, REST APIs,GraphQL
- **Problem Solving :**   Data Structures & Algorithms, Competitive Programming
- **Database :**   MongoDB , MySql
- **Soft Skills :**   Time management, Public speaking

WORK EXPERIENCE

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage
February 25-March25 LINK

- Participated in an Advanced Software Engineering Job Simulation, solving complex technical challenges across multiple Walmart teams.
- Developed a novel version of a heap data structure in JavaScript for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram for a data processor, considering different operating

PROJECTS

Film Fusion – Movie Ticket Booking Web App (MERN Stack) LINK

- Built a full-stack movie booking platform with dynamic seat selection and payment integration using Stripe.
- Implemented a personalized movie recommendation system using **matrix factorization**, a collaborative filtering technique in **machine learning**, to predict user preferences and enhance engagement.
- Included a dedicated admin panel to manage listings and toggle global settings like recommendation visibility.
- Implemented authentication via OAuth using Google, GitHub, and custom credentials providers.

TrueFeedback – User Feedback Collection Platform (Next.js) LINK

- Developed a responsive platform to collect and analyse user feedback.
- Integrated GenAI (OpenAI API) to auto-suggest feedback messages, enhancing user interaction and engagement.
- Implemented real-time form validation, admin moderation, and dashboard analytics.

CERTIFICATES

Completing Python 3.4.3 Training - IIT Bombay LINK   **April 2024**

- Mastered fundamental Python concepts, including control flow, loops, functions , data structures and OOP concepts.
- Acquired expertise in procedural programming knowledge ,Data manipulation with pandas.

Introduction to Data Science and Machine Learning LINK   **Sept 2024**

- Gained foundational knowledge of data science concepts, including data preprocessing, exploratory data analysis, and model evaluation.

Problem Solving (Intermediate) – Hacker Rank LINK   **January 2024**

- Demonstrated strong analytical and algorithmic thinking through coding challenges.
- Solved problems involving data structures, recursion, time complexity, and optimization.