



LIPAKHI TRIPATHY

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❖ SUMMARY

Computer Science engineering student with strong programming, web development, and machine learning skills. Experienced in building full-stack applications, predictive models, and data-driven solutions. Seeking opportunities to apply technical skills, solve real-world problems, and contribute to impactful engineering projects.

❖ EDUCATION

- Bachelor of Technology (CSE) **CGPA: 9.25**
C. V. Raman Global University, Odisha | 2022-2026 (expected)
- Higher Secondary (12th Grade) **Percentage: 93.4%**
DAV Public School, Odisha | 2019-2021
- Secondary (10th Grade) **Percentage: 94%**
St. Xavier International School, Odisha | 2017-2019

❖ SKILLS

- Programming Languages: C, C++, Python, Java, JavaScript
- Web Development:
 - Frontend - React, HTML, CSS, Bootstrap, Vite
 - Backend - Node.js, Express.js
- Tools: Git, GitHub
- Other Skills: Machine Learning, Deep Learning, Database Management

❖ PROJECTS

- **Restaurant Reservation Web App** (*React, Node.js, Express.js, MongoDB Atlas*) | [GitHub](#) (*In progress*)
 - Building a full-stack restaurant reservation system with a modern MERN architecture
 - Integrated MongoDB Atlas for efficient, cloud-hosted storage of user and reservation data
 - Designing a responsive UI with structured routing, reusable components, and an intuitive booking flow
 - Implementing RESTful APIs to handle reservations, user data, and business logic efficiently
- **Book Recommendation System** (*Streamlit, Python, NLP, TF-IDF, Google Books API*) | [GitHub](#)
 - Built a content-based recommendation system using TF-IDF vectorization and cosine similarity
 - Pre-processed and merged datasets (books, tags) to create enriched textual features for model input
 - Integrated Google Books API to display genres, summaries, and covers alongside recommendations
 - Designed an interactive UI with Streamlit for real-time search and personalized book suggestions
- **Movie Search App** (*React, Vite, JavaScript, CSS*) | [GitHub](#)
 - Created a dynamic web app to search, view, and manage a list of movies
 - Integrated a public movie API to fetch and display real-time search results
 - Implemented a Favourites list feature to let users save and manage favourite movies
 - Used React Hooks for managing state and side effects, and React Router for navigation
 - Designed a responsive, modular UI with reusable components and clean styling using CSS

❖ RESEARCH

- **Lung Cancer Prediction Using Machine Learning**
 - Developed a predictive model for lung cancer using Python and scikit-learn
 - Applied feature selection techniques (MRMR, Information Gain), improving performance by 20%
 - Trained and evaluated models (SVM, KNN, Random Forest) using cross-validation and F1-score
 - Visualized results and insights using Matplotlib and Seaborn