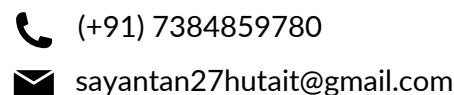
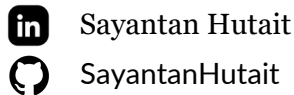


Sayantan Hutaït



SKILLS

Programming Languages: C++, Python
Libraries: NumPy, Pandas, Matplotlib, PyTorch
Machine Learning & AI: Supervised/Unsupervised ML, Deep Learning, NLP
Tools: Power BI, Excel, PostgreSQL, Streamlit
Version Control: Git
Statistics: Descriptive & Inferential
Cloud & Big Data: AWS, Hadoop, Hive

PROJECTS

PNEUMONIA DETECTOR

Jun 2025

- Built a pneumonia detection CNN model using transfer learning with ResNet18 on chest X-ray images.
- Tackled overfitting with dropout and validation splits; tuned hyperparameters using Optuna.
- Test Accuracy: 86.38%
- Tools & Libraries: PyTorch, torchvision, Optuna
- Project Link: <https://pneumonia-detector-xray.streamlit.app>

IPL WINNING PREDICTION

Apr 2025

- Built an IPL win predictor app using real ball-by-ball match data and an XGBoost model trained on features like run rate, wickets, and overs left.
- Integrated Google Gemini AI to provide natural language explanations of predictions.
- Tools & Libraries: Pandas, NumPy, scikit-learn, XGBoost, Joblib, and Google Generative AI (Gemini)
- Project Link: <https://iplwinprediction-wzpgzfmnep9eo3cuxzjwrk.streamlit.app>

MOVIE RECOMMENDER

Feb 2025

- Movie recommendation system using Python, leveraging NLP techniques and cosine similarity to suggest similar movies based on genres, cast, crew, keywords, and plot overviews.
- feature extraction and transformation from raw movie datasets, utilizing Pandas, NLTK, and Scikit-learn to preprocess and vectorize textual data for model input.
- Tools & Libraries: Scikit-learn, Numpy, Pandas, NLTK, Streamlit
- Project Link: <https://tinyurl.com/35nkecz5n>

CERTIFICATIONS

Social Networks - 12 weeks course by **NPTEL**

Jul - Oct 2024

EDUCATION

Lovely Professional University

Bachelors of Computer Science and Engineering | CGPA-8.19

Phagwara, Punjab

2022-Expected 2026

Midnapore Collegiate School

Higher Secondary | Marks: 94.8%

Midnapore, West Bengal

2020-2022