

Apoorv Aditya Tripathi

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SUMMARY

Computer Science student with a strong interest in Machine Learning, Data Science, and problem-solving using Data Structures and Algorithms. Built projects like a Java-based hotel system, content-based movie recommender, and sentiment analysis model. Skilled in Python, Java, and C++, with hands-on experience in scikit-learn, pandas, and Streamlit. Actively learning and applying DSA and ML to real-world problems.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, SQL, HTML, CSS, JavaScript

Libraries & Tools: NumPy, Pandas, Scikit-learn, JDBC

PROJECTS

Tweet Sentiment Analysis Model

Natural Language Processing Project

Jan 2025 – Apr 2025

Python, scikit-learn, pandas, NLTK

- Developed a system to classify tweets into positive, negative, or neutral sentiments
- Used TF-IDF vectorization and trained classifiers (Logistic Regression)
- Evaluated model using accuracy, precision, recall metrics

Recommendation Model

Machine Learning Project

Oct 2024 – Dec 2024

Python, Pandas, scikit-learn, Streamlit

- Built a content-based movie recommender using KNN and feature similarity
- Used TMDB dataset to train the model
- Extracted features using CountVectorizer and applied KNN to suggest similar movies

EXPERIENCE

Technical Coordinator

TechnoMech Club

Sept 2024 – Apr 2025

VIT Bhopal University

- Organized and led UI/UX Design Contest to promote creative thinking and design principles among peers
- Coordinated with core team to handle logistics, promotions and judging for 50+ participants
- Contributed to planning future technical events and workshops under the club's initiative

EDUCATION

VIT Bhopal University

Btech in Computer Science CGPA - 8.93

Sehore Madhya Pradesh

Aug 2023 – present

Rani Laxmi Bai Memorial School

12th - 92.4%

Lucknow, Uttar Pradesh

Apr 2021 – May 2023

Little Flower School

10th - 94%

Maharajganj, Uttar Pradesh

Apr 2009 – Apr 2021

CERTIFICATIONS

- Ethnus Mern Full Stack Certificate