Rishabh Yadav

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LeetCode

EDUCATION

Pranveer Singh Institute of Technology 12/2022 – 07/2026
Bachelor of Technology in Computer Science- AI & ML (CGPA:8.27) Kanpur, India

PROJECTS

Movie Review Sentiment Analysis 08/2024 – 12/2024
Analyzing and Classifying Sentiments in Movie Reviews Using Machine Learning

Tech Stack: Python, NLP (NLTK, SpaCy), Scikit-learn, TensorFlow/Keras
- Built an NLP-based sentiment analysis model to classify movie reviews as positive or negative using Machine Learning techniques.
- Performed text preprocessing, including tokenization, stopword removal, lemmatization, and vectorization using TF-IDF and Word Embeddings.
- Experimented with multiple ML models (Logistic Regression, Naïve Bayes, Random Forest) and deep learning approaches (LSTM, Transformers) to improve accuracy.

Nexagestura 08/2023 – 12/2023
Gesture-Based Volume and Brightness Control Using Computer Vision

Tech Stack: Python, OpenCV, MediaPipe, TensorFlow/Keras, NumPy
- Developed a gesture recognition system to control volume and brightness using hand movements.
- Utilized OpenCV and MediaPipe for real-time hand tracking and feature extraction.
- Implemented machine learning models to classify gestures and map them to specific actions.
- Optimized the system for low-latency performance, ensuring smooth user interaction.
- Designed a scalable and platform-independent solution for touch-free control applications.

SKILLS

Programming Languages: C, C++, Python, SQL
Libraries & Frameworks: OpenCV, MediaPipe, Scikit-learn, Matplotlib, Seaborn, NumPy, Pandas, TensorFlow, Keras, NLTK, spaCy
Machine Learning : Natural Language Processing (NLP), Feature Engineering & Preprocessing
Problem-Solving & Critical Thinking : Strong analytical skills to identify and resolve complex technical issues.

CERTIFICATES

- Supervised Machine Learning: Regression and Classification
- Unsupervised Learning, Recommenders, Reinforcement Learning
- Advanced Machine Learning

LANGUAGES

English (Fluent) Hindi(Native)