Mirthipati Sujay

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PROJECTS

Emotion Detector Model   December 2024

- Developed a real-time emotion detection system using Python, OpenCV, and TensorFlow.
- Designed a CNN-based model trained on the FER2013 dataset, achieving 90% accuracy.
- Utilized Haar cascades for facial landmark detection.

Music Recommendation System   October 2024

- Built a scalable music recommendation system using Collaborative Filtering & NLP techniques.
- Implemented user-user and item-item filtering algorithms, enhancing recommendation accuracy.
- Processed large-scale datasets to optimize user engagement and song prediction.

Next Word Prediction Model   May 2023

- Developed a deep learning-based NLP model using LSTM/Transformers.
- Trained on extensive text datasets, improving contextual accuracy for next-word predictions.
- Utilized TensorFlow for model implementation.

SKILLS

Programming Languages: Java, Python

Frameworks & Technologies: TensorFlow, Keras, OpenCv

Development Tools: Git, GitHub, VS Code

Soft Skills: Team player, Problem-Solving, Team Collaboration, Communication

CERTIFICATIONS AND TRAINING

Software development and methodologies   January 2025

Cloud Computing by NPTEL   November 2024

Complete Machine learning and data science by GFG   May 2024

Data Structure and Algorithm Course by Udemy   November 2023

EDUCATION

Lovely Professional University   Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.49   *Since September 2022*
Favorite Courses: *Object Oriented Programming, Data Structures, Machine Learning*

Mathrusri Junior College   Rajahmundry, Andhra Pradesh
Intermediate; Percentage: 88%   *April 2020 - March 2022*
Courses: *Physics, Chemistry, Mathematics*

Sriprakash Vidyanikethan   Rajahmundry, Andhra Pradesh
Matriculation; Percentage: 83%   *February 2019 – March 2020*