Chirag Tiwari

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EDUCATION

ACE Engineering College
Bachelor of Technology in Computer Science and Engineering (AIML) (8.36)
Ghatkesar, Hyderabad
Nov 2021 – Present

Narayana Junior College
MPC (94.8%)
Kothapet, Hyderabad
Jun 2019 – Mar 2021

Loyola Model High School
SSC (9.67)
Vanasthalipuram, Hyderabad
Jun 2018 – April 2019

PROJECTS

El-Musico | *Python, Flask, Machine Learning, AWS, Frontend Technologies* — June 2024 – October 2024
- A web application to listen seamless, ad-free, high quality music with an in-built recommendation engine built in python
- Deployed on cloud using AWS and other clouds for backup
- Used an API from JioSaavn for songs and built the recommendation engine using a hybrid model
- Added multi-device support features, so users can access it from any device all over the world
- El-musico

CineMatch | *Python, Machine Learning* — July 2024 – August 2024
- A Movie Recommendation engine for Cinema buffs
- Model trained on a subset of MovieLens Dataset having thousands of customer ratings
- Using correlation and Collaborative Filtering Techniques to recommend movies to users based on user input
- Deployed the project on GitHub for future pull requests
- CineMatch

VAD: Voice Activity Detector | *Python, PyAudio, Flask* — October 2024 – November 2024
- An Audio-based tool designed for proctoring during online exams
- Continuously detects audio, calculates energy, and throws warning to user if voice exceeds threshold
- Works in real-time, uses PyAudio to take audio input from user's device
- Deployed the project on GitHub for future pull requests
- VAD

SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, FastAPI
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Spyder
Libraries: pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, NLTK

CERTIFICATIONS

CS50's Introduction to Programming with Python - Harvard University — **May 2024**

Salesforce Developer Virtual Internship — **Feb 2024**

NPTEL Python for Data Science — **Feb 2023**

PCAP: Programming Essentials in Python - Cisco Networking Academy — **Feb 2023**

B1 English Preliminary - Cambridge English — **Feb 2023**