KOUNDINYA ACHYUTHUNI

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OBJECTIVE

Highly skilled Python developer with skills in Django, REST API, and machine learning. Seeking a challenging position to leverage my technical skills and contribute to innovative projects.

SKILLS

Programming Languages:	Python, JavaScript, Java, C
Frameworks:	Django, REST API
Front-end:	HTML, CSS, Tkinter
Others:	MySQL, GIT
Machine Learning Libraries:	Scikit-Learn, TensorFlow, Keras

PROJECTS

WEATHER DATA ANALYSIS & FORECASTING USING PYTHON

- Implemented a weather data analysis and forecasting tool using Python. Cleaned and visualized data, handled missing values, and used **Ridge regression** to predict future temperatures. Demonstrated skills in **Pandas**, **Matplotlib**, and **Scikit-learn**.
- GitHub-link

TEACHER-STUDENT COMMUNICATION DASHBOARD

- Created a teacher-student communication dashboard using **Django** for the backend and HTML, CSS for the frontend. Implemented **user authentication** and **role-based access control**, allowing teachers to create classrooms, assignments, and upload notes, while students can join classrooms and access resources.
- GitHub-link | live-site

BLOGGING SITE

- Developed a blogging website using **Django REST Framework**, with each view displayed through **API calls**. Implemented user authentication, CRUD operations, and responsive design. Enhanced user interaction with features like commenting, liking posts, and blog categorization.
- GitHub-link | live-site

MOVIE RECOMMENDATION SYSTEM

- Developed an interactive movie recommendation system using **Python, Pandas, and Scikit-learn.** Implemented text cleaning and vectorization of movie titles using **TfidfVectorizer**. Utilized **cosine similarity** to find and recommend movies based on user input. Created a user interface with **ipywidgets** for real-time search and recommendations. Integrated user ratings data to enhance recommendation accuracy. Demonstrated skills in data preprocessing, machine learning, and interactive widget creation.
- GitHub-link

EDUCATION

- **Bachelors of Technology in Computer Science Engineering- Artificial Intelligence & Machine Learning |** Mahaveer Institute of Science & Technology | CGPA: 6.91   2020 - 2024

PUBLICATIONS

A Review on Python Libraries to Develop Applications in all Domains   September - 2023