

Vasanth Raam

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🔗 VasanthRaam | Portfolio 🔄 Vasanth Raam 📺 Vasanth Raam

PROFILE

An engineering student excelling in Front-End Development and Python, seamlessly integrating design and technical expertise to create intuitive web interfaces. A dedicated problem-solver driven by innovation, actively seeking impactful projects to contribute expertise and expand skills in both areas.

EDUCATION

B.Tech Computer Science and Engineering, SASTRA Deemed to be University 🌐 Thanjavur, India
CGPA: 7.18

Higher and Senior Secondary, Kamala Niketan Montessori School 🌐 Trichy, India
80.6% in AISSCE
85.4% in AISSE

SKILLS

Languages:

- C++, Java (Basics), Python.
- HTML, CSS, JavaScript.

Frameworks:

- Bootstrap, jQuery.
- Tkinter, Django.

Data Management:

- Data Structures and Algorithms (Basics).
- Database Management System (SQL).

Soft Skills

- Critical Thinking
- Adaptability

PROJECTS

Jump Counter

A Python program is developed using OpenCV and the Mediapipe module to access the camera and utilize a holistic approach for tracking. The program counts the number of jumps performed by the user, registering a jump only when it meets a specified condition.

Prediction of Air Quality Index

Utilizing machine learning techniques, the dataset from the Central Pollution Control Board (CPCB) undergoes preprocessing through data imputation and various machine learning methods. The preprocessed dataset is then subjected to multiple wrapper feature selection algorithms to identify the most suitable features for the project. Several regression models are employed to determine the optimal algorithm and model for air quality prediction.

Web Portal for an Institution

A web portal is designed using HTML, CSS, JavaScript as a front end. Several frameworks includes Bootstrap and jQuery were used in order to focus on the specific aspects of the project rather than building everything from scratch and helps in reducing time.

INTERESTS

Front end Development | Python using Django Web Frameworks | Problem solving using Python and C++

CERTIFICATES AND ACHIEVEMENTS

Typewriting Junior Grade

English and Tamil

Typewriting Senior Grade

English and Tamil

Hindi (DBHPS)

Written and Spoken

C++ For beginners

Udemy

Ultimate Front end Bootcamp

Udemy

AI Tools Workshop

Be10x

Computer Vision Workshop

RCS Sastra

Gold Batch in Python 🌐

Hackerrank

Typing Golden Certificate 🌐

Ratatype