Vasanth Raam

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⬡ VasanthRaam ▣ Vasanth Raam G Certificates

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

SASTRA Deemed to be University, *B.Tech Computer Science and Engineering* 🔗   2021 – 2025
CGPA: 7.18   Thanjavur, India

Kamala Niketan Montessori School, *Higher and Senior Secondary* 🔗   2019 – 2021
80.6% in AISSCE   Trichy, India
85.4% in AISSE

SKILLS

Languages: — C++ │ Java (Basics) │ Python │ HTML │ CSS │ JavaScript.

Data Management: — Data Structures and Algorithms (Basics) │ Database Management System (SQL).

Frameworks: — Bootstrap │ jQuery │ Tkinter │ Django

Soft Skills — Critical Thinking │ Adaptability │ Reliability

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

Typewriting Junior Grade	**Typewriting Senior Grade**	**Hindi (DBHPS)**
English and Tamil	English and Tamil	Written and Spoken
C++ For beginners	**Ultimate Front end Bootcamp**	
Udemy	Udemy	

LANGUAGES

English	**Hindi**	**Tamil**
Full professional proficiency	Elementary proficiency	Native proficiency