RAJVI SOMANACHE

Email: rajvisomanache@gmail.com

Linkedin: www.linkedin.com/in/rajvi-somanache-svt17270507

Mobile: +91 7499145643

EDUCATION

Marathwada Mitra Mandal's College Of Engineering   **Pune, India**
B.E Information Technology: Third Year, Ongoing   2023-2027

Dr. Kalmadi Shamarao Junior College   **Pune, India**
12th Standard; Percentage: 78.17%   2021 - 2023

City International School   **Pune, India**
10th Standard; Percentage: 94.20%   2023 - 2027

SKILLS SUMMARY

- Languages   : Python, C++, SQL, JavaScript
- Frameworks   : Flask, Scikit-Learn
- Tools   : PowerPoint, TensorFlow, OpenCV, Git
- Platforms   : Visual Studio Code

PROJECTS

1. **Blood Bank Management System**   **June 2025 -**

 • Developing a full-stack blood bank management web application using Flask and SQL to streamline donation and inventory tracking.
 • Designing a relational database schema to manage donor, recipient, and hospital data efficiently.
 • Implementing key features such as role-based admin login, inventory management, and secure donor registration forms.

2. **Portfolio Website**   **Apr 2025- May 2025**

 • Designed and built a fully responsive personal portfolio website using HTML, CSS, and JavaScript to showcase projects and skills.
 • Integrated a Node.js backend with a MySQL database to power a dynamic contact form, successfully capturing and storing visitor messages.

3. **WeatherCraft**   **Apr 2025 - May 2025**

 • Created a Minecraft-themed weather application that provides real-time weather data.
 • Leveraged HTML, CSS, and JavaScript to fetch and display data by integrating the OpenWeatherMap API.

4. **Virtual Mouse Using Hand Gestures**   **Jan 2024 - Mar 2024**

 • Developed a real-time virtual mouse controlled by hand gestures, eliminating the need for physical hardware.
 • Utilized Python and OpenCV to implement computer vision algorithms that track hand and finger positions with low latency.
 • Engineered gesture-recognition logic to translate specific hand movements into precise cursor commands, including navigation, clicks, and scrolls

ADDITIONAL INFORMATION

- **Languages Known :** English, Hindi, Marathi
- **Interests** : Machine Learning , Neural Networks, Data Science, Designing, Problem Solving.
- **Co-Circular Activities** : Dance, Sports like Volleyball, Cricket, Football and Basketball.
- **Hobbies :** Dancing, Watching F1, Reading, Travelling.