# TANISHQ RAWAT

Software Engineer/Web Developer/ML Engineer

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## Skills

Programming Languages: Python, C, HTML, CSS, Java, JavaScript (Basic), React (Basic).
CS Fundamentals: Data Structures & Algorithm (DSA), OOPS, DBMS, Computer Networks.
Technical Stack: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, MySQL, PostgreSQL, MongoDB.
Machine Learning/Data Science: Supervised, Unsupervised, Predictive Modeling, Statistics, Exploratory Data Analysis (EDA), Data Cleaning, Data Visualization, Model Deployment, NLP for machine learning.

## Projects

### White-Board Hand Gesture Recognition System

Integrating hand gesture recognition into whiteboard applications enables natural, intuitive interactions, enhancing online education and collaboration with advanced deep learning for accurate gesture detection.

- Computer Vision Libraries like OpenCV, Media Pipe, PyAutoGUI, TensorFlow/ PyTorch, Numpy, Pandas, Scikit-learn and many more.
- GUI libraries – Tkinter (Python)

### Portfolio

Developed a dynamic and responsive portfolio website using HTML, CSS, and JavaScript to highlight my education, skills, projects, and research papers. Integrated advanced interactivity, animations, and user-centric features to enhance the overall browsing experience and engagement.

### 2D game – Rock Paper Scissors

Developed an engaging 2D Rock Paper Scissors game using HTML, CSS, and JavaScript. Created a user-friendly interface for challenging a CPU opponent. Implemented real-time score tracking, lively animations, and smooth transitions to provide an enjoyable and responsive user experience.
Currently refining and expanding this project to further improve its features and performance.

## Education

### Primary & Secondary Education
Bharti Public School, Delhi                                                      2008-2022

### B-tech in Artificial Intelligence and Machine Learning (AIML)          -ongoing (2022-26)
Vivekananda Institute of Professional Studies

## Hobbies

- Photography
- Learning Languages
- Sports like Football, Badminton, etc.