Harsh Kumar Singh

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Personal Summary

Driven Computer Science undergrad with practical experience developing interactive web apps using HTML, CSS, and Vanilla JavaScript. Known for strong problem-solving skills, self-motivation, and a growth-oriented mindset. I am committed to writing clean, efficient code and continuously expanding my technical expertise through self-driven projects.

Technical Projects

Simon Game (Enhanced Version)
Personal Project - Based on Angela Yu's Web Dev Bootcamp

- Rebuilt the classic Simon Says game using HTML, CSS, and Vanilla JS, refactoring 250+ lines for maintainability.
- Added Firebase authentication, theme customization, and a persistent scoreboard, improving replayability and engagement.
- Designed a responsive UI optimized for desktop and mobile using event-driven logic and feedback timing.
- Live: simon-game-cec07.web.app

Drum Kit with Audio Visualizer
Personal Project - Based on Angela Yu's Web Dev Bootcamp

- Created a 7-pad interactive drum kit with recording, playback, and BPM control using Vanilla JavaScript.
- Implemented a Canvas-based audio visualizer that dynamically reacts to sound frequencies in real time.
- Improved UX via modular event handling and refactoring 200+ lines of code for reusability.
- Live: drumkit-12a38.web.app

Relevant Skills

Languages: Java, Python, JavaScript
Web Technologies: HTML, CSS, Firebase, React, Tailwind
Version Control: Git, GitHub
Core Strengths: Problem Solving, Debugging, Event-Driven Programming
Soft Skills: Communication, Self-Motivation, Continuous Learning

Educational History

Narula Institute of Technology | B.Tech in Computer Science & Technology | 2023–2027
Currently pursuing NPTEL Java Programming certification (Exam: Oct 2025)

Hobbies

- Playing Guitar
- Reading Books
- Calisthenics