

# SUHANI JAGOTRA

Web Development | Machine Learning

Undergraduate | Computer Science and Engineering

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<https://suhanijagotra.github.io/Portfolio/> [github.com/suhanijagotra](https://github.com/suhanijagotra) [linkedin.com/in/suhani-jagotra-916585218](https://www.linkedin.com/in/suhani-jagotra-916585218)

## EDUCATION

**Dr B R Ambedkar National Institute of Technology Jalandhar(NITJ)**

**CGPA : 7.62**

B.Tech in Computer Science and Engineering

2022-2026

**Presentation Convent Sr. Secondary School**

**Percentage : 96.6**

Class XII, Central Board for Secondary Education

2022

**Presentation Convent Sr. Secondary School**

**Percentage : 93.4**

Class X, Central Board for Secondary Education

2020

## SKILLS

Languages: C C++ PYTHON HTML CSS JAVASCRIPT SQL

Libraries: NumPy SciPy Pandas Matplotlib PyTorch Plotly Scikit-Learn Seaborn  
Algorithms React BootStrap Node.js jQuery

## PROJECTS

### • PORTFOLIO

<https://github.com/suhanijagotra/Portfolio>

<https://suhanijagotra.github.io/Portfolio/>

This project utilizes HTML for structure, CSS for styling using Flexbox and Grid for layout, and responsive design with media queries. JavaScript enhances interactivity, including navigation toggling. Google Fonts and Font Awesome provide custom typography and scalable icons. CSS animations, transitions, and hover effects add visual appeal and user engagement. Background images and gradients enrich the design, while shadow effects add depth. These technologies combine to create a modern, responsive website that prioritizes both functionality and aesthetics, ensuring an optimal user experience across various devices and screen sizes.

### • NITCOM ICSCCC

<https://github.com/suhanijagotra/NITCOM>

<https://suhanijagotra.github.io/NITCOM/>

As part of the NITCOM 2024 team, I collaborated on developing a responsive website using HTML5, CSS3, and JavaScript, hosted on GitHub Pages. Together, we implemented features like form validation, a countdown timer, and news API integration. Aligned with conference objectives, we ensured the site's content was relevant and informative. By leveraging web analytics tools, we assessed performance and usability, contributing to the conference's success with over 500 participants.

### • BANKING-SYSTEM

<https://github.com/suhanijagotra/Banking-System.git>

This C++ project utilizes classes, including 'Account and Bank', to manage bank accounts. It employs a map data structure to store and manage multiple accounts efficiently. The program incorporates exception handling for managing cases of insufficient funds during withdrawals. Additionally, file handling is implemented for persistent storage of account data between program executions.

- **SIMON-GAME**

<https://github.com/suhanijagotra/Simon-game>

<https://suhanijagotra.github.io/Simon-game/>

This project implements a Simon game using HTML, CSS, and JavaScript/jQuery. Players mimic a sequence of button presses generated randomly by the game. The interface features colored buttons with directional arrow images. JavaScript manages game logic, including sequence generation, user input handling, and level progression. CSS styles provide visual feedback through animations and effects like game-over prompts. Key skills demonstrated include DOM manipulation, event handling, and integrating audio feedback. This project showcases foundational web development techniques for creating interactive games on the frontend.

## RELEVANT COURSES

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- C++ PROGRAMMING
- DATA STRUCTURES & ALGORITHMS USING C++
- FULL STACK WEB DEVELOPMENT
- MACHINE LEARNING, AI USING PYTHON
- DATA STRUCTURES AND ALGORITHM II (DESIGN & ANALYSIS OF ALGORITHMS)
- DATABASE MANAGEMENT SYSTEMS
- COMPUTER ORGANISATION AND ARCHITECTURE

## EXTRA CURRICULAR

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### **Class Representative, Computer Science & Engineering Branch, NIT Jalandhar**

- Demonstrated leadership by representing classmates in academic and administrative matters.
- Organized and facilitated communication between students and faculty to address concerns and improve academic experience.

### **Campus Mantri (GeeksforGeeks), NIT Jalandhar**

- Led initiatives to promote technical skill development and career opportunities among peers.
- Organized coding competitions, workshops, and seminars to enhance programming proficiency.
- Facilitated knowledge-sharing sessions and mentored fellow students in algorithmic problem-solving.

### **CSI Department Coordinator, NIT Jalandhar**

- Led a team in organizing technical events and workshops to foster a culture of innovation and learning.
- Coordinated with faculty and industry professionals to arrange seminars and guest lectures on emerging technologies.
- Managed logistics, budgets, and promotional activities to ensure successful execution of events.