

# Saksham Jain

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**Summary** — Motivated BTech student with problem-solving skills and hands-on exposure to data structures, algorithms, and real-world applications.

## Skills

**Frontend** HTML5, SCSS, JavaScript

**Backend** Node.js, Express, MongoDB, MySQL

**Languages** Javascript, C++

**Tools** Git and Github

**Others** OOPS, Problem Solving

**Soft Skills** Time Management, Adaptable

## Projects

### Prescripto - Healthcare Appointment Booking System

Aug 2025 - Present

**Tech Stack:** HTML, CSS, JavaScript, React, Node.js, Express.js, MongoDB, JWT, bcrypt

- Developed a **full-stack healthcare appointment booking application** to streamline patient–doctor scheduling workflows.
- Implemented **secure user authentication and authorization** using **JWT** and **bcrypt** for password hashing and session security.
- Designed and integrated **MongoDB-based data storage** to manage user information and appointment records efficiently.
- Built **RESTful APIs** to handle appointment booking, slot management, and user-related operations.
- Created a **responsive and user-friendly interface** enabling patients to view doctors, select available slots, and book appointments seamlessly.
- Applied **modular backend architecture and clean coding practices** to improve scalability, maintainability, and security.
- Focused on **data validation, error handling, and secure access control** to ensure reliability and system integrity.
- **Live Link:** <https://prescripto.vercel.app/>

### StrategiXchess - Real Time Multiplayer Chess Application

Feb 2025 - June 2025

**Tech Stack:** HTML, CSS, JavaScript, React, Node.js, Express.js

- Architected **full-stack multiplayer chess application** with **React 18** frontend and **Node.js** and **Socket.IO** backend.
- Implemented **real-time game synchronization** using WebSocket communication with **<50ms latency**
- Engineered chess rule enforcement engine using **chess.js library**, supporting all standard moves.
- Designed **responsive UI** using **React hooks, TypeScript, and Tailwind CSS** optimized for desktop, tablet, and mobile
- Built game room management system with **unique ID generation, player authentication**, and automatic cleanup on disconnection
- Integrated **real-time chat functionality** with message persistence and timestamp logging within game sessions
- Deployed containerized application on Render using **Docker** with CORS security configuration
- Optimized Socket.IO event handling and game state management for minimal network overhead and maximum responsiveness
- Implemented comprehensive **error handling, move validation, and edge case management** (stalemate, checkmate, draw detection)
- Achieved production-ready deployment with environment variables, secure configuration, and cross-origin resource sharing.
- **Live Link:** <https://strategixchess.onrender.com/>

### Empower - Employee Task Management Tool

July 2024 - Aug 2024

**Tech Stack:** HTML, CSS, JavaScript, React

- Enabled admins to assign tasks to employees with detailed data and deadlines.
- Allowed employees to view, negotiate, and accept or decline assigned tasks.
- Facilitated task completion tracking, enabling employees to mark tasks as done.

## Education

### SRM University, Delhi-NCR, Sonepat, Haryana

2026

Bachelor of Technology in Computer Science Engineering

CGPA: 7.55

### CBSE

2020

Higher Secondary Education in Math Science

Marks: 94.2%

## Awards and Achievements

1. Completed **Walmart Global Tech Job Simulation** demonstrating applied problem-solving skills. **2025**
2. **Led a 3-member college project team**, managing tasks and collaboration. **2025**