

# Sanjana Patel

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## TECHNICAL SKILLS

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**Languages:** C, C++, HTML, CSS, Javascript

**Frameworks/Libraries:** React.js, Tailwind CSS, Node.js, Express.js

**Database:** MongoDB, MySQL

**Tools:** Git, VS Code, GitHub, Postman

**Core Fundamentals:** Data Structures and Algorithms, Operating Systems, Object-Oriented Programming (OOPs), Networking (HTTP, REST APIs)

**Core Strengths:** Problem-solving and Analytical Thinking, Effective Communication and Collaboration, Teamwork in Agile/Scrum Environments

## PROJECTS

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### AI-Powered Interview Preparation Platform (Team Project, Backend Developer)

**React.js, Node.js Express, MongoDB, Gemini API, React SpeechRecognition API** | June 2025– Present

- Built backend system enabling mock interview sessions with real-time AI feedback using Gemini API.
- Integrated speech recognition (STT) and text-to-speech for interactive interview experience.
- Designed MongoDB schemas to store user sessions, transcripts, and AI analysis.
- Implemented secure authentication (JWT, bcrypt) and session management.
- Engineered an ATS Resume Scoring system for resume analysis and keyword improvements.
- Collaborated with frontend teammates (React, Tailwind, animations) to deliver a seamless and engaging user interface.

### EasyRide-Vehicle Rental Website (Team Project, Backend Developer)

**HTML, Tailwind CSS, Javascript, Node.js Express, REST APIs, MongoDB** | Oct 2024– Apr 2025

- Developed the backend system for a full-stack vehicle rental platform connecting vehicle owners and renters for secure short-term vehicle rentals.
- For Vehicle Owners: Easy vehicle listing, rental management, earnings tracking.
- For Renters: Advanced search and filters, real-time availability, secure payment gateways.
- Admin Dashboard: User and transaction management, manual identity/Document verification for security.
- Collaborated with frontend teammates (React, HTML/CSS/JS) to deliver a responsive and user-friendly interface.

### Lost and Found Portal for Colleges — Html, CSS, JavaScript, Node.js, MongoDB | March 2025 – April 2025

- Developed a web platform to report and track lost items using QR codes and real-time verification.
- Implemented item registration with unique QR code generation for traceability and ownership linking.
- Optimized Node.js backend for scalability, reliability, and secure data management.
- Integrated email/SMS alerts and a finder-to-owner chat interface for fast coordination.

### Restaurant Management System — Frontend Web Development |

June 2024 – July 2024

- Developed a responsive and interactive website using core frontend web technologies.
- Developed a comprehensive RMS to enhance efficiency in reservations, order processing, and billing operations.
- Improved website aesthetics using modern CSS techniques and JavaScript interactivity.

## EDUCATION

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### IPS ACADEMY, Indore MP

CGPA:8.8

*Bachelor of Technology in Computer Science and Information Technology*

*Aug. 2022 – JUNE 2025*

### The New Era Public School, Indore MP

Percentage:77

*Class 12th*

*June. 2021 – March 2022*

## CERTIFICATES / ACHIEVEMENTS

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- **Winner, UDAAN 2025** – Secured 1st place in college-level innovation competition among 30+ teams.
- **Participant, InnoNova 24-Hour Hackathon 2025** – Developed a working prototype within deadline.