Sanjana Patel

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TECHNICAL SKILLS

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
DevOps: Google Cloud Platform
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

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

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:72
Class 12th   *June. 2021 – March 2022*

CERTIFICATES / ACHIEVEMENTS

- **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.**