

SATPAL SINGH JADHAV

Full Stack Developer | UI/UX Designer

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Academic

Bachelor of Technology in Computer Science Engineering

(2022–2026)

Sushila Devi Bansal College of Technology, Indore

Current CGPA: 8.2 out of 10

Higher Secondary Education – MP Board

(2022)

Percentage: 81.8%

Secondary Education – MP Board

(2020)

Percentage: 85.2%

Projects

Angel AI Assistant (Full Stack Project)

(<https://github.com/satpalsingh939>)

- Built a voice and text-based AI chatbot with **React.js**, **Node.js**, **Express.js**, and **MongoDB**.
- Integrated Google Gemini API for natural language understanding and custom QnA logic for domain-specific queries.
- Designed RESTful APIs to handle text assistant, voice assistant, and custom interactions.
- Implemented authentication & middleware in Express.js for secure data handling.
- Stored and managed contact form, user data using MongoDB with Mongoose models.
- Used **environment variables (.env)** for API keys and database credentials to ensure security.
- Developed a **responsive**, animated UI using React + CSS Modules with loading states & dynamic components.
- Enhanced user experience by enabling **real-time actions** (open apps, links, WhatsApp, Calculator, etc.) via custom commands.
- Ensured **scalability & fallback handling** for API failures (Gemini API quota exceeded → custom QnA fallback).
- Project showcased as a major industry-level solution for 24/7 virtual assistance.

Voting-Based Web Application

- Engineered a full-stack voting system using **Node.js**, **Express**, and **MongoDB**.
- Implemented secure authentication, real-time updates, and role-based access.
- Enhanced participation tracking accuracy by 70%.

Real-Time Chat Application

- Designed a full-stack messaging app using **React**, **Express.js**, and **MongoDB**.
- Built a messaging platform featuring user authentication, image uploads, and live chat.
- Integrated Socket.io for seamless real-time communication; improved response time by 60%.

Landing Pages (UI/UX Focused)

- Developed responsive landing pages for coffee shop, footwear, and beverage startups.
- Focused on visual hierarchy, grid layout, and mobile responsiveness for better usability.

JavaScript Projects

- Created dynamic tools including Weather App, To-Do List, Distance Calculator, and a Color Prediction Game.
- Implemented CRUD operations, input validation, and DOM manipulation for optimal functionality.

Technical Skills

- **Languages:** C, C++
- **Web Development:** HTML5, CSS3, JavaScript, React.js, Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Tools & Platforms:** Git, GitHub, Postman, Figma, Bootstrap, VS Code
- **UI/UX Design:** Interactive Prototypes (Intermediate)

Soft Skills

- Teamwork
- Leadership

Extra-Curricular Activities

Smart India Hackathon – 2024

- Participated in the college-level hackathon and contributed to an innovative tech-based solution with a team of 6..

Interests

- Playing Cricket
- Travelling