Surendra Patidar

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Education

B.Tech, Computer Science	*CGPA: 7.4*
Jai Narain College of Technology, Bhopal	*2021 – Present*
12th Grade (PCM)	*89.8%*
Excellent Public Higher Secondary School, Khardon Kalan	*2020 – 2021*
10th Grade	*88.4%*
Excellent Public Higher Secondary School, Khardon Kalan	*2018 – 2019*

Technical Skills

Languages: C/C++, JavaScript, HTML, CSS
Developer Tools: VS Code, GitHub
Tech Stack: React.js, Node.js
Database: SQL
Miscellaneous: Data Structures, OOPs

Projects

AI Content Generator Application *(React.js, Tailwind CSS, Payment Gateway)*
Tools & Technologies Used: Tailwind CSS, React.js, Next.js, External APIs, Payment Gateway (e.g., Stripe)
Description: AI-powered application that generates user-specific content dynamically, with an integrated payment gateway allowing users to purchase memberships for premium content.

Implementation:

- Built the user interface using React.js and styled it with Tailwind CSS for responsiveness.

- Integrated external APIs for AI-based content generation.

- Implemented a payment gateway (Stripe) to handle user subscriptions for membership. The system allows users to securely purchase memberships, which unlock premium AI-generated content.

Performance:

- Managed payment gateway integration to ensure secure and smooth transactions without affecting app performance.

- Optimized the application for handling concurrent content generation requests along with real-time subscription verification.

Sorting Algorithm Visualizer *(JavaScript, HTML, CSS)*
Tools & Technologies Used: JavaScript, HTML, CSS
Description: Visualized sorting algorithms with step-by-step animations.
Implementation: Integrated user controls to adjust speed and view detailed steps for each sorting algorithm like Bubble Sort, Merge Sort, etc. **Performance:** Optimized for handling large datasets, keeping UI responsive during heavy operations.

Soft Skills

- **Problem Solving:** Able to break down complex problems and develop efficient solutions.

- **Teamwork:** Experienced in collaborating effectively in teams to deliver projects.

- **Time Management:** Efficiently managed project timelines alongside academic commitments.

- **Adaptability:** Quick to learn new technologies and adapt to different environments.

Interests

Listening to Music, Traveling, Self-improvement, Time Management