JHANVI PATEL

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EDUCATION
B.Tech in Computer Science engineering(AI-ML)   **2024-2028**
Adani University, Gujarat   CGPA: **8.93 / 10**

TECHNICAL SKILLS
- **Languages**: Java, JavaScript, Python
- **Frontend**: React.js, HTML5, CSS3, Tailwind CSS
- **Backend**: Node.js, Express.js
- **Databases**: PostgreSQL, MongoDB
- **Tools & Platforms**: Git, GitHub, Postman, VS Code
- **Others**: Data structures, Algorithms, OOPs

PROJECTS
Route Optimizer (React, Node.js, ORS API)
Built a custom Dijkstra-based route optimization tool that fetches real-time geocoding data from OpenRouteService (ORS) and visualizes the optimal route on an interactive map.
- Integrated ORS API for geolocation and routing data.
- Created dynamic graph structure from API response and applied Dijkstra's algorithm.
- Designed clean UI with responsive map route plotting using Leaflet.js.

DSA Visualizer (React + Vanilla JS)
An interactive web app that animates the internal working of 15+ data structures, algorithms and classical problems.
- Implemented step-by-step visualizations for BFS, DFS, Dijkstra, Kruskal, Sorting, etc.
- Supported user input and animation controls for enhanced learning.
- Users can upload their own different approach.
- Enabled pseudocode overlay.

TextCruncher (React + Node.js + Tailwind)
Offline, extractive text summarizer for PDFs and plain text.
- Built PDF parser with pdf-parse and summary engine using node-summarizer.
- Designed frontend upload system and integrated offline sentiment + length analysis.
- Ensured full offline privacy: no API or cloud dependencies.

ChatBot using Gemini API (Node.js + HTML/CSS/JS)
Built a lightweight chatbot interface integrated with Gemini API for conversational responses.
- Frontend in vanilla HTML/CSS/JS; backend via Node.js, Express.js.
- Custom prompt formatting and response rendering engine.

Experience
- Serving as DSA and CP team member at Adani Student Programming and Development Club (ASPDC).
- Trainer at Adani University Robotics Club (AURC).
- Code Charades (College-level Competition): Showcased frontend skills using HTML, CSS, and JS.

ACHIEVEMENTS & POSITIONS
- LeetCode : Solved 250+ DSA problems across LeetCode (top 24%)
- HackerRank : Java 5 star | badges : problem solving | Hackos : 1200+
- 91% in 10th board
- 92.66% in PCM 12th board