JHANVI PATEL

[Email]   [LinkedIn]   [GitHub]   [Portfolio]   [LeetCode]   [CodeForces] [HackerRank]

OBJECTIVE
Aspiring Software Engineer with skills in React, Node.js, and ML fundamentals, aiming to contribute to innovative, high-performance applications while deepening expertise in scalable system design and data-driven development.

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

TECHNICAL SKILLS
- ***Languages****: Java, JavaScript, Python, C*
- ***Frontend****: React.js, HTML5, CSS3, Tailwind CSS, React native*
- ***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 using.
- 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.
- **Links : Live demo   Source code**

DSA Visualizer (React + Vanilla JS)
An interactive web app that animates the internal working of data structures, algorithms and 25+classical problems.
- Implemented step-by-step visualizations for graph algorithms, tree traversal, Array algorithms, number theory, Sorting, etc.
- Supported user input and animation controls for enhanced learning.
- Users can upload their own different approach.
- **Links : Live demo   Source code**

VisualBrief (React + Node.js + Tailwind + NLP)
- AI-powered tool that converts text or documents into structured flowcharts, ER diagrams, and concept maps for quick visual understanding.
- Developed an extractive summarizer to condense PDFs/text using TextRank and NLP.
- Built a full-stack app with offline summarization and auto diagram generation.
- Enhanced readability and reduced information load via concise, structured outputs
- .Links : Live demo   Source code

SafeMail AI (React native + Node.js + python + logistic regression)
- Built a machine learning–based email classifier mobile app using TF-IDF and Logistic Regression to detect spam and fraudulent emails with Flask API integration.
- Pre-processed text data and achieved efficient real-time prediction through saved .pkl models and vectorizers.
- Designed a REST API endpoint for scalable deployment, ensuring accurate and fast email threat detection.
- .**Links : Source code**

ACHIEVEMENTS & POSITIONS
- DSA and CP team member at Adani Student Programming and Development Club (ASPDC).
- Trainer at Adani University Robotics Club (AURC).
- Codeforces : pupil | max rating(1209)
- LeetCode : Solved 400+ DSA problems across LeetCode (top 6.93% global ranking 1816)
- HackerRank : Java 5 star | badges : problem solving | Hackos : 1300+