Jhanvi patel

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SUMMARY

Aspiring software engineer skilled in full-stack development, algorithms, and AI/ML. Passionate about building interactive tools, visual systems, and intelligent automation.

TECHNICAL SKILLS

Languages : Java, JavaScript, Python, C
Frontend : HTML5, CSS3, React, tailwind CSS, react native
Backend : Node.js, Express
Database : MongoDB, PostgreSQL
AI/ML : Logistic Regression, TF-IDF, scikit-learn
Tools : Git, Postman, VS Code
Core CS : DSA, OOP

PROJECTS

Route Optimizer *React, Node.js, ORS API*

- Built a Dijkstra-based route optimizer fetching real-time geocoding from ORS.
- Created dynamic graph structures from API responses and applied Dijkstra's algorithm.
- Designed a clean, responsive map UI using Leaflet.js.
- **Links :** Live Demo   Source Code

DSA Visualizer *React, Vanilla JS*

- Interactive web app animating DSA internals and 25+ classical algorithm problems.
- Implemented visualizations for graphs, trees, sorting, arrays, DP and more.
- Added user input and animation controls; supported custom approach uploads.
- **Links :** Live Demo   Source Code

VisualBrief *React, Node.js, Tailwind, NLP*

- AI tool converting text/PDFs into flowcharts, ER diagrams, and concept maps.
- Built extractive summarization using TextRank + NLP for structured outputs.
- Implemented offline summarization + auto diagram generation.
- **Links :** Live Demo   Source Code

SafeMail-AI *React Native, Node.js, Python*

- ML-based phishing email classifier mobile app using TF-IDF + Logistic Regression.
- Achieved real-time predictions with saved .pkl model + vectorizer.
- Designed Flask REST API for fast inference.
- **Links :** Source Code

ACHIEVEMENTS & POSITIONS

- DSA and CP team member : ASPDC (Adani Student Programming and Development Club).
- Trainer : AURC (Adani University Robotics Club).
- Codeforces : Pupil (Max Rating: 1210)
- LeetCode : 400+ problems solved (Top 6.93%, Rating 1816)
- HackerRank : Java 5 star, Problem Solving silver badge; 1300+ Hackos