SAURABH PATEL

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Education

Thakur College of Engineering and Technology, Mumbai, Maharashtra	Nov 2022 – May 2026
Bachelor of Technology - Artificial Intelligence and Data Science	*9.31 CGPA*
JVM'S New English School and Junior College, Thane, Maharashtra	Apr 2021 – Mar 2022
Higher Secondary Certificate	*74.3%*

Technical Skills

Languages: Java, Python, HTML, CSS, SQL
Libraries/Frameworks: Pandas, NumPy, Matplotlib, Seaborn, ReactJS
Data Science: EDA, Data Visualization, Machine Learning, Neural Networks, NLP, LLM
Others: Git/GitHub, Firebase, MS Office, MySQL, PowerBI, Tableau

Experience

Shaurav Network Solution　　　　　　　　　　　　　　　　　　　　　　Dec 2024 – Feb 2025
Full Stack Web Developer　　　　　　　　　　　　　　　　　　　　　　　　*Thane, Remote*
- Designed and maintained a responsive website, ensuring cross-browser compatibility.
- Optimized website performance, reducing page load time by 20%.
- Analyzed company data using Power BI to generate actionable insights and data driven reports.

Projects

Fake News Detection System | *ReactJS, Firebase, Gemini API, D3.js, i18n*　　　　**(GitHub Link)**
- Built a scalable, multilingual platform with ReactJS and Firebase to identify and disrupt regional misinformation networks across Hindi, Marathi, and Gujarati.
- Integrated Gemini API for deep contextual analysis of text and images, enabling accurate and culturally nuanced fake news detection.
- Developed a dynamic analytics dashboard using D3.js to visualize misinformation spread through geospatial heatmaps and trend graphs.
- Enhanced accessibility with voice command features and real-time translation using i18n, ensuring inclusivity for diverse user groups.

Course Recommendation System | *Python, NLP, Coursera Dataset, Streamlit, Scikit-learn*　　**(GitHub Link)**
- Used NLP techniques and metadata analysis to make a recommendation system that suggests Coursera courses that are relevant.
- I cleaned up and worked with a real-world Coursera dataset that had course names, descriptions, difficulty levels, course URL and skills that were needed.
- Created recommendation tags by putting together different course features and using Bag-of-Words to vectorize them.
- Used cosine similarity and fuzzy matching to find and suggest the best courses that are similar.
- Added course URLs to recommendations to make them easier to use. This lets users go straight to the suggested Coursera pages.
- I used `pickle` to serialize data and create a similarity model, which we then added to a Streamlit web app so that it could be used in real time.

Fresh From Farmers: A Grocery Store Website | *ReactJS, Firebase, Razorpay API*　　**(GitHub Link)**
- Developed the website from scratch using ReactJS, HTML, CSS, and JavaScript, achieving a 20% reduction in page load times and enhancing overall user engagement.
- Implemented secure payment processing by integrating the Razorpay API to ensure 100% safe transactions during test phases.
- Enhanced account security with Firebase Authentication, maintaining 99.9% protection against unauthorized access.

Positions of Responsibility

Shaurav Network Solution	**Jan 2023 – Present**
Administrative Assistant	
TCET Shastra Coding Club	Mar 2023 – Apr 2023
Video Editor	