Jay Mukeshbhai Patel
Fullstack Developer

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EDUCATION

Chanakya Vidhya Sankul	10th	2019-2020
Uma Vidhyalaya	11th-12th	2020-2022
K.S. School of Business Management and Information Technology	BSC.IT	2022-2025

SUMMARY

- A results-driven and versatile Full Stack Developer with designing, developing, and deploying dynamic web applications. Proficient in both front-end and back-end technologies, including HTML, CSS, JavaScript, React, Node.js, Express, and SQL databases.
- Skilled in creating responsive, user-friendly interfaces, while also ensuring robust server-side functionality. API integrations.
- Strong foundation in programming languages such as Java, and Python, with a solid understanding of data structures, algorithms, and object-oriented programming.
- Adept at collaborating with cross-functional teams to deliver high-quality software solutions. Passionate about learning new technologies and staying up-to-date with industry trends.

SKILLS

Programming Language:	Java, Python
Frontend Development:	HTML, CSS, JavaScript, React
Backend Development:	Node.js, Express
Database Management:	SQL, MongoDB,
API Integration:	RESTful APIs, Third-Party API Integration
Responsive Design:	Web Design, Media Queries

PROJECTS

School Management Website
Panchjanya Shikshan Sankul | 2024- Present

- Architected and developed a scalable School Management System (SMS) to automate student enrollment, grading, attendance, and administrative tasks.
- **Technology Stack:** React.js, Node.js, Express.js, MongoDB

Frontend Development (React.js):

- Designed and implemented a modular, component-based architecture for a seamless UI/UX experience.
- Integrated React Router for dynamic navigation and role-based access control.
- Implemented state management using Redux for handling authentication and user data.
- Developed responsive UI components using Tailwind CSS for optimized rendering across devices.

Backend Development (Node.js & Express.js):

- Engineered RESTful APIs using Express.js, handling CRUD operations for student, teacher, and course entities.
- Made database queries faster and easier by using Mongoose to connect and work with MongoDB.
- Implemented middleware for request validation, error handling, and logging to enhance system reliability.

Database Management (MongoDB):

- Designed a normalized NoSQL database schema to efficiently store and retrieve student, teacher, and course data.

- Used indexing and data grouping techniques to make database searches faster.
- Handled relationships between data using built-in MongoDB features for better performance and easy scaling

Admin Dashboard (Role-Based Access Control & Reporting):
- Developed an admin panel for managing student records, standards, and faculty assignments.
- Implemented for generating real-time reports on:
- Student performance analysis (grades, attendance).
- A progress tracking.

The system ensures scalability, security, and high performance, facilitating efficient educational administration through automated workflows and data-driven insights.

Github Project Link :- https://github.com/Jaypatel0924/School_Management

News Website
- Developed a fully responsive news website that categorizes news articles into various sections (Local News, World News, Sports, Entertainment, etc.) to provide users with a seamless browsing experience.
- Technology Stack: React.js, React Router, Tailwind CSS, API Integration

Frontend Development (React.js & Tailwind CSS):
- Built an interactive, responsive UI using React.js for dynamic content rendering and Tailwind CSS for modern styling.
- Implemented React Router for smooth navigation between different news categories without reloading the page.
- Integrated third-party News APIs (e.g. News API, NY Times API) to fetch and display real-time news articles dynamically.
- Implemented category-based filtering so users can easily switch between different news sections.
- Used lazy loading to optimize image rendering and improve page performance.
- Designed a clean and intuitive user interface for an enhanced reading experience with a focus on typography and readability.

Github Project Link :- https://github.com/Jaypatel0924/News_App

CERTIFICATION

React Web Development - Infosys Springboard (2025)
- Successfully completed a structured learning path on React.js, covering component-based architecture, state management, routing, and API integration.
- Gained hands-on experience in building interactive and responsive web applications using React and modern JavaScript (ES6+).

Python Fundamentals - Hacker Rank (2024)
- Earned certification for demonstrating proficiency in Python programming fundamentals, including functions, and object-oriented principles.
- Solved, enhance problem-solving and logical thinking skills.