

RITIK RAJ

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Full-Stack Developer in Progress with hands-on experience in React.js, HTML5, CSS3, and JavaScript (ES6+). Built 10+ responsive pages and a high-performance quiz app with 100/100 Lighthouse scores. Passionate about clean code, fast UIs, and currently leveling up in UX design and backend development.

AREA OF EXPERTISE

Responsive Design Git, GitHub	HTML5, CSS3, JavaScript (ES6+)	React.js TailwindCSS
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CERTIFICATIONS

Responsive Web Design Certification - freeCodeCamp

- Proficient in HTML5, CSS3, Flexbox, and CSS Grid.
- Built responsive websites with CSS animations & transitions.
- Completed hands-on projects: Portfolio, Landing Page, Survey Form.

PROJECTS

Where in the World (Rest Countries API)

Feb 2025 - Feb 2025

- Integrated RESTful API to fetch country details (name, capital, population, region, etc.).
- Developed search and filter features for an interactive browsing experience.
- scoring 96+ Best Practices, 92 Accessibility, and 91 SEO on Lighthouse
- Border Country Navigation: Users can explore neighboring countries with a single click.
- Performance Optimization: Efficient data fetching techniques to enhance speed .
- Optimized API calls, reducing load time by 40% for a smooth user experience.
- Achieved 0 layout shift, minimal blocking time, and improved Speed Index by 26% for faster load times globally

Sentence-Game(Quiz App)

Jan 2025 - jan 2025

- Built a fully responsive quiz web application with support for multiple choice and fill-in-the-blank questions, powered by React.js and Vite.
- Engineered a React-based quiz application that achieved a perfect 100/100 score across all Lighthouse metrics — Performance, Accessibility, Best Practices, and SEO.
- Enhanced user engagement by implementing dynamic background color transitions based on the countdown timer.
- Reduced bundle size by 40%+ with Vite, resulting in instantaneous page load and improved developer experience.
- Implemented optimized routing and state handling using React hooks, boosting app responsiveness by 50% during quiz transitions.
- Integrated responsive background sound effects triggered on key user interactions (option selection, question navigation, quiz start, and result display) to deliver an interactive user journey.
- Managed complex state logic using useState, useEffect, and useNavigate for timer reset, auto-submission, and route navigation.

EDUCATION

Bachelor in in Computer Science and Engineering

Lovely Professional University, Punjab

Sep 2020 - Apr 2024

Gained strong foundational knowledge in data structures, algorithms, and web development.

Higher Secondary Education

Viswasanthi English Medium Educational Institutions, Vijayawada, AP

Focused on mathematics and computer science, developing, troubleshooting.

Apr 2019 - Mar 2020