Lighthouse Performance Report

1. Overall Scores:

• Performance: 67

Accessibility: 85

• Best Practices: 100

SEO: 100

2. Key Findings and Recommendations: Performance (67) - Needs Improvement Possible

Issues:

- Slow loading times.
- Inefficient resource loading.
- Render-blocking scripts or styles.

\checkmark Recommendations:

- Optimize images using modern formats (WebP, AVIF).
- Minify and compress CSS, JavaScript, and HTML.
- Implement lazy loading for images and iframes.
- Reduce unused JavaScript and CSS.
- Enable server-side caching and CDN usage.

Accessibility (85) - Good, but Can Improve

☐ Potential Issues:

- Missing or low-contrast text.
- Unlabeled elements that may affect screen readers.

\checkmark Recommendations:

- Improve color contrast for better readability.
- Ensure all interactive elements have proper labels.
- Add ARIA attributes where necessary.

Best Practices (100) - Excellent $\mathscr O$ Strengths:

- Secure implementation.
- No XSS vulnerabilities detected.
- Proper use of HTTPS and modern web standards.

$\triangle \square$ Minor Consideration:

• Regularly update dependencies to maintain security.

SEO (100) - Excellent ✓

Strengths:

- Good search engine optimization.
- Proper metadata, structured data, and mobile-friendly layout.

$\triangle \square$ Minor Consideration:

• Continuously monitor structured data validation.

3. Action Plan

- 1. **Improve Performance** Optimize and compress assets. Use lazy loading and proper caching strategies. Minimize render-blocking resources.
- 2. Enhance Accessibility O Ensure proper labeling of elements. O Improve contrast where necessary.
- 3. **Maintain Best Practices and SEO** \circ Continue security updates. \circ Monitor structured data and SEO trends.













