Literature Review

To give answers to these questions, research was conducted using journal articles and conference papers from credible sources like ACM, IEEE, and Google Scholar. Below is a summary of what was discovered:

1. Traditional Tools:

- Web development in the past was founded on basics like HTML, CSS, and JavaScript, with server-side scripting languages like PHP and ASP.NET.

- WordPress emerged as a favorite among developers to create websites quickly and effectively.

2. New Technologies

- React, Angular, and Vue.js frameworks have revolutionized the approach to front-end design by developers.

- Artificial Intelligence (AI) and Machine Learning (ML) are being used in applications for enhanced personalization.

- Cloud technologies like AWS and Azure have made scalable hosting easy.

Discussion

Having explored the research, this is what's evident:

- Old-school tools were good but lacking in scalability and user interactivity.

- New frameworks such as React, backed by cloud functionality, bypass most of these limitations and are overall preferred in terms of ease of use and flexibility.

- React was used in the app that was created for this project for its component-based nature, and AWS was used for hosting, with assurance of performance and scalability.

- In the future, the report argues in favor of needing to keep on innovating. Technologies like Quantum Computing and advanced AI could potentially have a vital role in defining the future of web development.

Conclusion

Web application development has come a long way from static pages to interactive pieces of art. While the tools and technology have changed, the goal remains the same: to create solid, accessible, and user-friendly applications to fulfill the needs of the modern world.