

Augmented Reality Applications in Computational Systems

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Abstract. This paper explores the integration of augmented reality (AR) in computational systems, focusing on its potential to enhance user interaction and visualization. It examines various applications of AR in engineering, education, and healthcare, highlighting the technology's transformative impact. The study provides recommendations for implementing AR in different computational environments.

Keywords: augmented reality, user interaction, visualization, engineering applications, education technology

Introduction

Augmented reality (AR) has emerged as a powerful tool in computational systems, offering enhanced user interaction and immersive experiences. This paper investigates the integration of AR technology across various domains, including engineering, education, and healthcare. We explore how AR can transform user interfaces, providing intuitive visualization and interaction capabilities. The study examines current AR applications and their benefits in improving system functionality and user engagement. Challenges in AR implementation, such as hardware limitations and software compatibility, are also discussed. The paper concludes with recommendations for effectively utilizing AR technology to enhance computational system design and user experience.

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References

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