

Research and development of a real-time hand gesture recognition product search system on e-commerce websites

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Abstract: This topic aims to address the shortcomings in the current search tools of e-commerce websites by developing a system based on real-time hand gesture recognition technology. The goal is to build an easy-to-use system that provides an excellent user experience (UX) for faster and more accurate product searches. The research method involves combining theory with practical application during system implementation. The expected outcomes of this topic not only improve search capabilities on e-commerce websites but also contribute to the fields of image recognition technology and artificial intelligence.

Keywords: hand gesture recognition, real-time, product search, e-commerce website, intelligent system