

Smart Landmark Recognition Using Machine Learning

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Abstract: *Ease of tourism and travel has led to humans capturing digital images of these landmarks and monuments. And recognition and classification of monuments in images is a challenging task due to the vast variations in their architecture and orientation. In recent years, machine learning approaches, particularly deep learning-based methods, have shown promising results in the recognition and classification of monuments. Through the aid of internet this identification process can be massively simplified. The proposed framework leverages a sophisticated processing approach that utilizes various features such as shapes, textures, and light interaction to classify different landmarks. Through a cross-platform website to provide identification and additional historical and cultural information on these sites. Our proposed system has significant implications for the tourism industry by providing a reliable and efficient means of identifying landmarks professionals who specialize in studying them are typically responsible for informing visitors about their architectural and historical significance. However, inaccurate information may be shared, and it may be difficult to present the details of these monuments in an engaging and appealing way by a tour guide. So a chatbot can provide an interactive means of communication*

Keywords: Image Processing, Machine Learning, CNN, Inception v3, Web-Based

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