

## عنوان مقاله:

Image processing on images of ancient artifacts with the help of methods based on artificial intelligence

## محل انتشار:

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## خلاصه مقاله:

Artificial intelligence (AI) has the potential to revolutionize the field of archaeology by enabling researchers to analyze large amounts of data quickly and accurately. In this article, we have tried to implement some methods and algorithms in image processing on the image of ancient artifacts. We implemented the algorithms on two historical models as examples, one of which is the image of a coin decorated with the image of Farkhan the Great and the other is the coin with the image of Khursheed Daboui to obtain the details of these works from the images on the computer. We used Edge Detection, Hough Transform, imcontour, and Filter Images Using Predefined Filters algorithms in MATLAB software, each of these algorithms is used for specific purposes in image processing. By using digital image analysis techniques, researchers can gain a deeper understanding of the objects and sites they are studying and can make new and important discoveries about the history and culture of ancient civilizations.

## کلمات کلیدی:

image processing, Artificial Intelligence, Algorithms, Historical image information, MATLAB

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1680730>

