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Data Retrieval and Analysis to Identify the Associated People of Instagram Using Image Processing

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In the past three years, Instagram has had the fastest growth of any social network. Users may post photographs with a description, a location, and a few hashtags that do not always correspond to the content of the images to express their status. As a result, Instagram is currently the most widely used photo-sharing platform. Even though Instagram is a rather straightforward service, its ease of use has helped it become so popular all around the world. But regrettably, some individuals abuse websites for immoral activities including the dissemination of false information and fake news, support for terrorism, immoral religious practices, and the sale of illegal drugs etc. Therefore, according to the results of the literature review, we can use the technologies such as Demographic analysis, Text analysis, Image analysis, Snowball Technology, and some of the face recognition technologies used in iPhone photos, face recognition technologies such as Eigenfaces technology, Neural Networks, Graph Matching, Line Edge Mapping as the Data Retrieving and Image Processing technologies. This paper discusses the implementation of a system to retrieve and analyse image data from Instagram and to identify the most associated people of a certain Instagram user.

Keywords: *Instagram, social network, face recognition, neural networks, retrieve and analyse image data, demographic analysis*