

Building an image retrieval program based on content using some deep learning techniques.

Dao Van Nhan

Abstract: In the context of the increasing demand for searching and managing information from images, this topic focuses on building a content-based image retrieval program. The objective of the research is to address the issues of performance and accuracy in the image search process by using deep learning techniques such as Convolutional Neural Networks (CNN) and traditional machine learning. The research method combines theory and experimentation, including model design, training, and performance evaluation. It is expected that the successful implementation of this topic will make a significant contribution to the field of image processing and analysis, bringing practical application value to many industries.

Keywords: image retrieval, deep learning, convolutional neural network (CNN), image processing