NEAREST NEIGHBOUR OF DIFFERENT IMAGE REPRESENTATION

CSE499B.10

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SYSTEM DESIGN

IMAGE COLLECTION → **PROCESSING IMAGE SUITABLE FOR THE MODEL**

EXTRACTED FEATURES FROM THE MODEL ← **APPLIED VGG AND RESNET101 MODEL**

PRESERVE FEATURE VECTORS INTO PANDAS DATAFRAME → **FINDING 10 NEAREST NEIGHBOURS / VECTORS OF ECAH VECTORS GENERATED FROM THE IMAGES IN DATASET USING COSINE SIMILARITY**

SHOW SIMILAR IMAGE INSIDE THE VECTOR GENERATED DATASET WITH COSINE SIMILARITY SCORE I

SHOWING SIMILAR IMAGE FROM THE DATASET OF THE RANDOM PICTURE GIVEN BY THE USER FROM AN OUTSITE SOURCES (FROM THE INTERNET OR ANY OTHER PERSONAL STORAGE)