EYE CLASSIFICATION BY KNN

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MAIN IDEA

- The project deals with eyes by detect if the eye is right or left by passing the location of eye to it.

CODE'S STEPS

1. Enter data of eyes' location in a dictionary of tuples.
2. Convert dictionary to 2 lists (one express on x and another express on y) to calculate distance between eyes.
3. Give location of new eyes from user to detect if the eye is right or left.
4. Calculate distance between eyes by rule of Eclidian_distance and store distance in a new list called list_disAll.

CONTINUE

5. Execute KNN technique to detect if the eye is right or left by making k = n.
6. Calling Eclidian_distance and store it in new list called List_Dis.
7. Make new 4 lists to store in them:
   - ✓ The smallest n distances in list_min.
   - ✓ Location of x of the small distance in List_val_x.
   - ✓ Location of y of the small distance in List_val_y.
   - ✓ List of tuples (x, y) called List_of_tuples.
   - ✓ Then return the number of count of each class and depend on this count detect if the eye is left or right.