Coarse-grained classification

Reasoning



Spoof

Users: Is the face in the image real or spoof?

FaceShield: The face in the image is a spoof, as it is cleverly concealed by a paper with printed eyes, which is a common technique used to create a fake appearance.

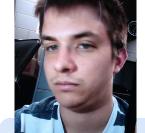




Print Attack

Users: What Attack Type of the face in the image?

FaceShield: The face in the image is a Print Attack. This is evident from the appearance of the paper edges in the picture, indicating that a printed face is used to deceive the face detection system.



Users: Why the face in the image real or spoof?



The "Global Shape Consistency of Facial Features" appears distorted, lacking natural symmetry.

and unnatural, suggesting artificial illumination.

The "Sense of Depth and Three-Dimensionality" is flat, missing the natural depth cues found in real faces.

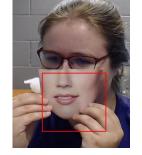
Lastly, the "Presence of Phone Screen or Paper Edges" is evident, indicating that this face is displayed on an electronic device. Analyzing these attributes, we can conclude that the face in the picture is a spoof.

Localization



Users: Can you locate the spoof area of the face in the image?





FaceShield: The location of the spoof area is [99.0 295.0 341.0 485.0], which is the area where the person is holding a card with a printed lower half of their face to cover the real lower half of their face.