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import cv2

# Load the pre-trained Haar cascade for watch detection
watch_cascade = cv2.CascadeClassifier("watch-cascade.xml") # Ensure this file is in the same directory

# Read the image
image = cv2.imread(r"C:\Users\SAIL\Downloads\CV\watchpic.jpg") # Replace with your image file path

# Check if the image was loaded successfully
if image is None:
    print("Error: Could not load image. Check the file path.")
    exit()

# Convert the image to grayscale
gray = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)

# Detect watches in the image
watches = watch_cascade.detectMultiScale(gray, scaleFactor=1.1, minNeighbors=5, minSize=(30, 30))

# Draw bounding boxes around detected watches
for (x, y, w, h) in watches:
    cv2.rectangle(image, (x, y), (x + w, y + h), (0, 255, 0), 2)

# Display the image with detections
cv2.imshow("Detected Watch", image)

cv2.waitKey(0)
```

cv2.destroyAllWindows()

