Program:

import exifread

def extract\_location\_info(image\_path):

# Open the image file in binary mode

with open(image\_path, 'rb') as f:

# Read the EXIF tags

tags = exifread.process\_file(f, details=False)

# Check if GPS info exists in the tags

if 'GPS GPSLatitude' in tags and 'GPS GPSLongitude' in tags:

# Extract latitude and longitude values

latitude = tags['GPS GPSLatitude'].values

longitude = tags['GPS GPSLongitude'].values

# Convert latitude and longitude to degrees format

latitude\_degrees = latitude[0].num / latitude[0].den

latitude\_minutes = latitude[1].num / latitude[1].den

latitude\_seconds = latitude[2].num / latitude[2].den

longitude\_degrees = longitude[0].num / longitude[0].den

longitude\_minutes = longitude[1].num / longitude[1].den

longitude\_seconds = longitude[2].num / longitude[2].den

# Determine direction (N/S for latitude, E/W for longitude)

latitude\_direction = tags['GPS GPSLatitudeRef'].values

longitude\_direction = tags['GPS GPSLongitudeRef'].values

# Construct location string

location = f"{latitude\_degrees}° {latitude\_minutes}' {latitude\_seconds}\" {latitude\_direction}, {longitude\_degrees}° {longitude\_minutes}' {longitude\_seconds}\" {longitude\_direction}"

return location

else:

return "Location information not found in the image."

# Example usage

image\_path ="C:\\Users\\vanan\\PycharmProjects\\pythonProject\\example.jpg"

location\_info = extract\_location\_info(image\_path)

print("Location Information:", location\_info)