import socket

import os

import struct

CHUNK\_SIZE = 1024

def send\_file(filename, ip, port, progress\_callback=None):

sock = socket.socket(socket.AF\_INET, socket.SOCK\_DGRAM)

# Send filename

base\_name = os.path.basename(filename)

sock.sendto(base\_name.encode(), (ip, port))

# Send file size (8 bytes using struct)

file\_size = os.path.getsize(filename)

sock.sendto(struct.pack("!Q", file\_size), (ip, port))

# Send file content

sent = 0

with open(filename, 'rb') as f:

while True:

data = f.read(CHUNK\_SIZE)

if not data:

break

sock.sendto(data, (ip, port))

sent += len(data)

if progress\_callback:

progress\_callback(sent, file\_size)

# Send end marker

sock.sendto(b'\_\_END\_\_', (ip, port))

sock.close()