

FTP File Transfer System — CN Project

Computer Networks Mini Project

PROJECT OVERVIEW

This project demonstrates a TCP-based Client-Server FTP system.

Users can upload and download files over the network.

FEATURES

- ✓ Upload any file format
- ✓ Download files from server
- ✓ Multi-file transfer support
- ✓ Live progress indicators
- ✓ Works on LAN over TCP protocol
- ✓ Simple and clean UI

TECHNOLOGY USED

- Python Socket Programming
- Tkinter for GUI
- TCP-based data streaming

HOW TO RUN

- 1) Open terminal in project folder
- 2) Run server: `python server.py`
- 3) Run client: `python client.py`
- 4) Select or transfer files

Note: Server must be running before starting client

PROJECT FILES

- `server.py` – Handles file transfer requests
- `client.py` – GUI client application
- `files/` – Server directory storing uploaded files

SYSTEM REQUIREMENTS

- ✓ Python 3.8 or above
- ✓ Windows / Linux / macOS
- ✓ Both systems must be on same network (if using LAN)