**What I have Learned**

The project has helped me learn on how to build and file transfer client-server application. Going into details I have learned how to apply python file management capabilities to create a file and also write into the file using user input. I have also learned simple principles of socket programming such as creating a socket, connecting to a server and sending and receiving data and also learned about binary mode in file transfer that is used to ensure not data loss when transmitting data from one node to another. I also learned that servers should be reliable and work smoothly hence the importance of error handling on client and server side. Finally, I have mainly learned about the TCP/IP sockets since they are the backbone of client-server communication and data processing.

**What I have Implemented**

1. **Server Implementation**

The server side listens on a certain port (12345) for an incoming connection from the client. I have also implemented receiving and saving files where after accepting a connection, the file receives files in chunks and save it to specified path. Then the server reads the saved content and show it.

1. **Client Implementation**

I have implemented a Tkinter interface which is user friendly to allow the user to enter the filename with a .txt extension and contents of the file. I also implemented file transfer which sends the content over the network.

1. **File and Error Handling**

Ensure the application gives user friendly feedback incase of issues. File handling ensures operations such as writing and reading file in both text and binary mode take place without interruption.