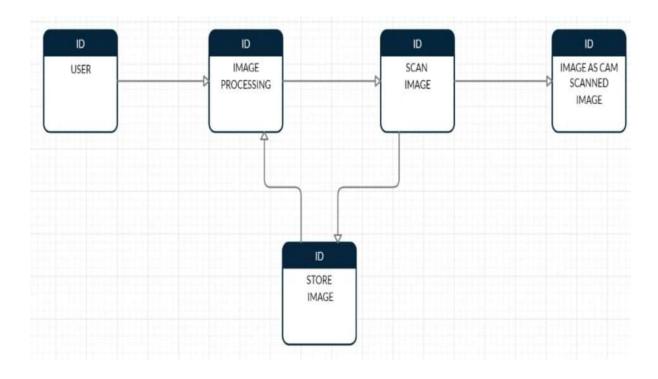
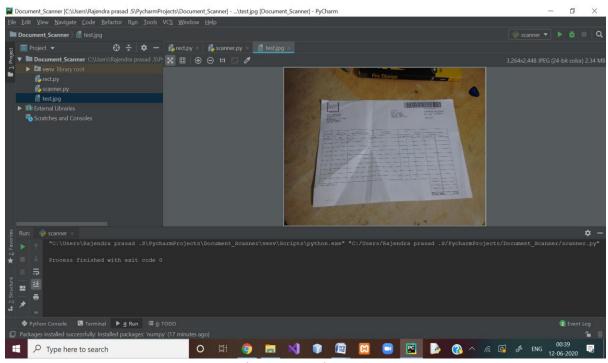
# **DOCUMENT SCANNER**

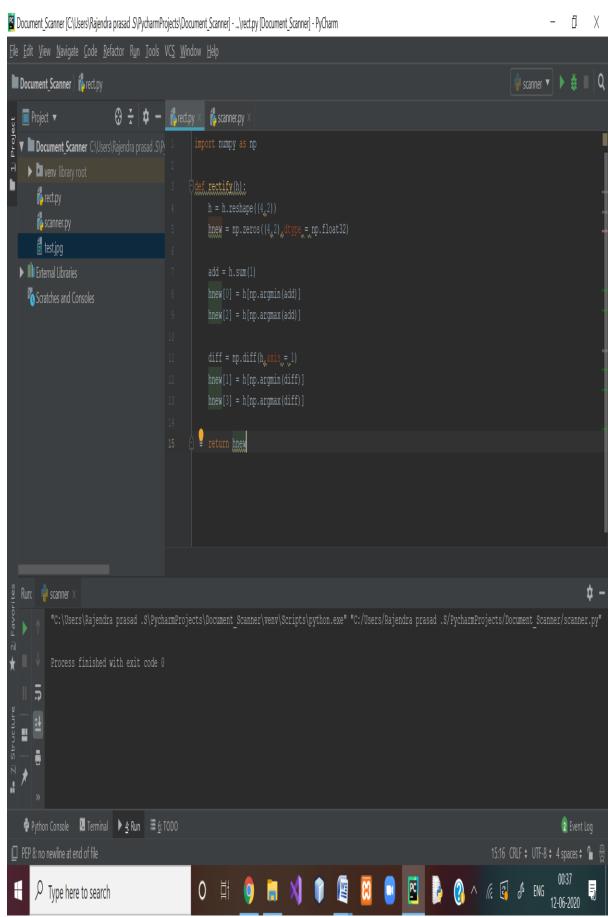
### Data flow diagram:



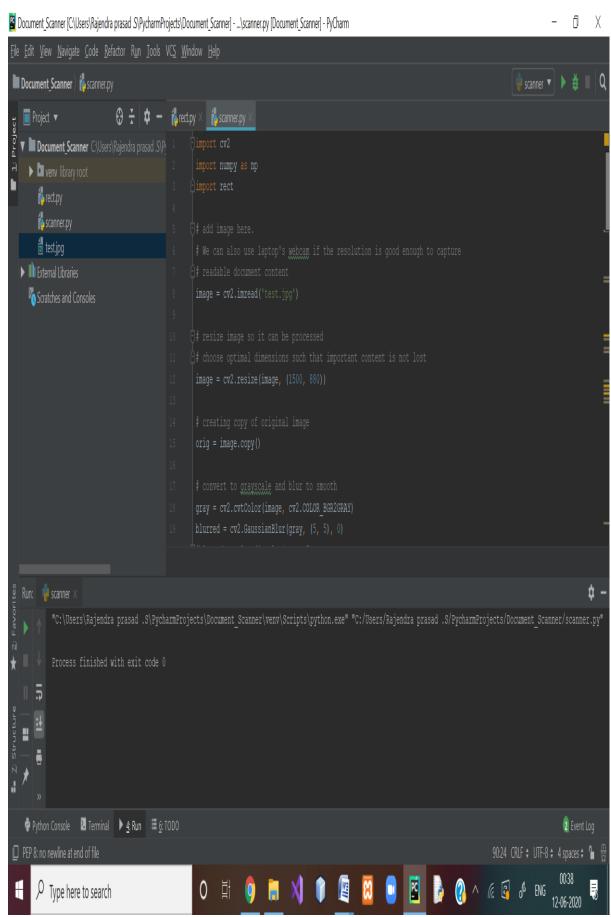
## **Project demonstration:**



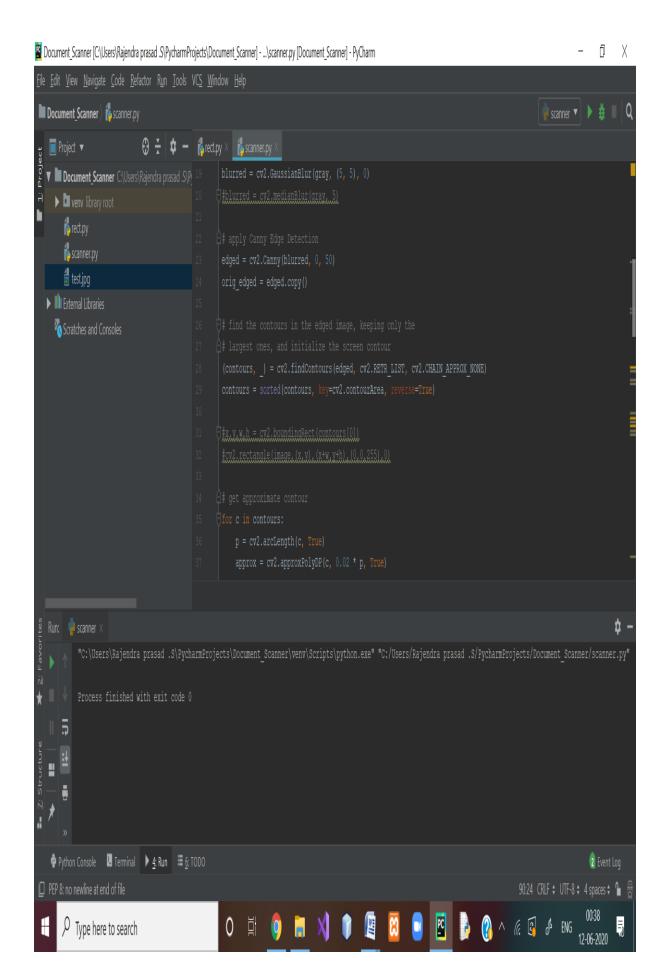
The original image

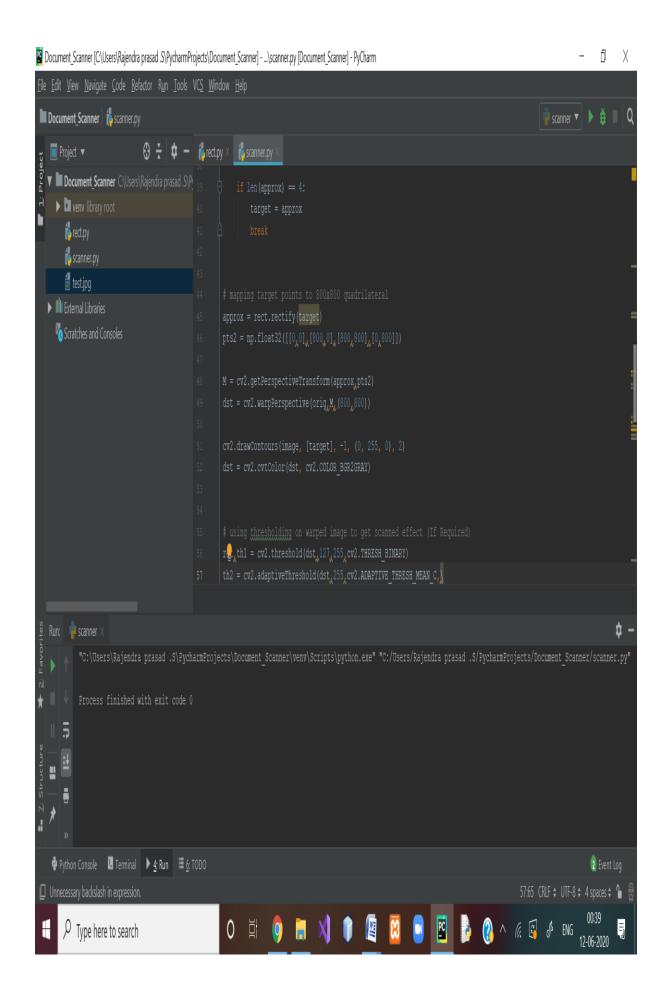


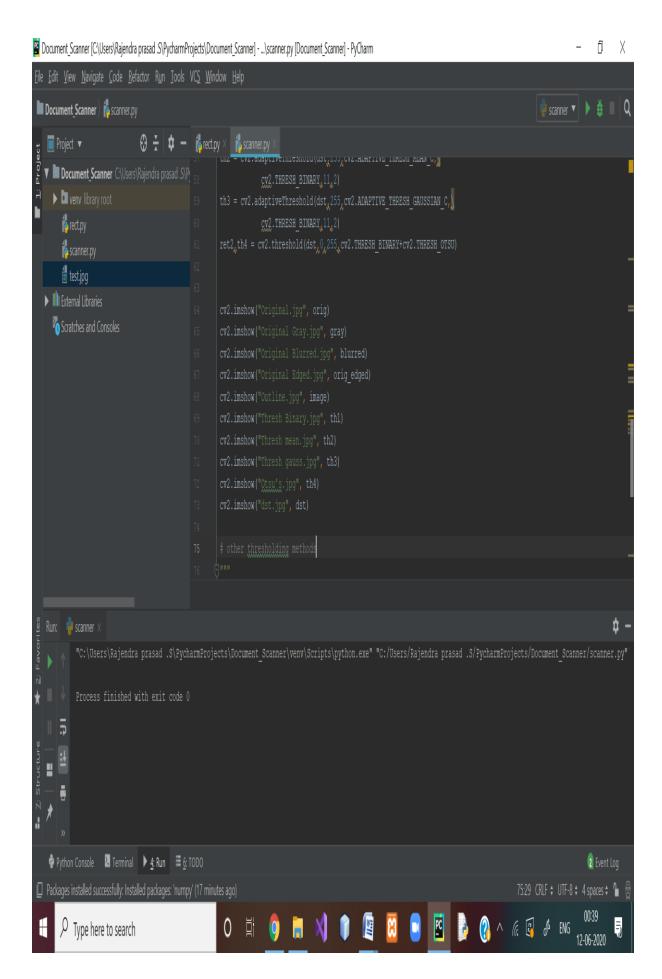
rect.py file

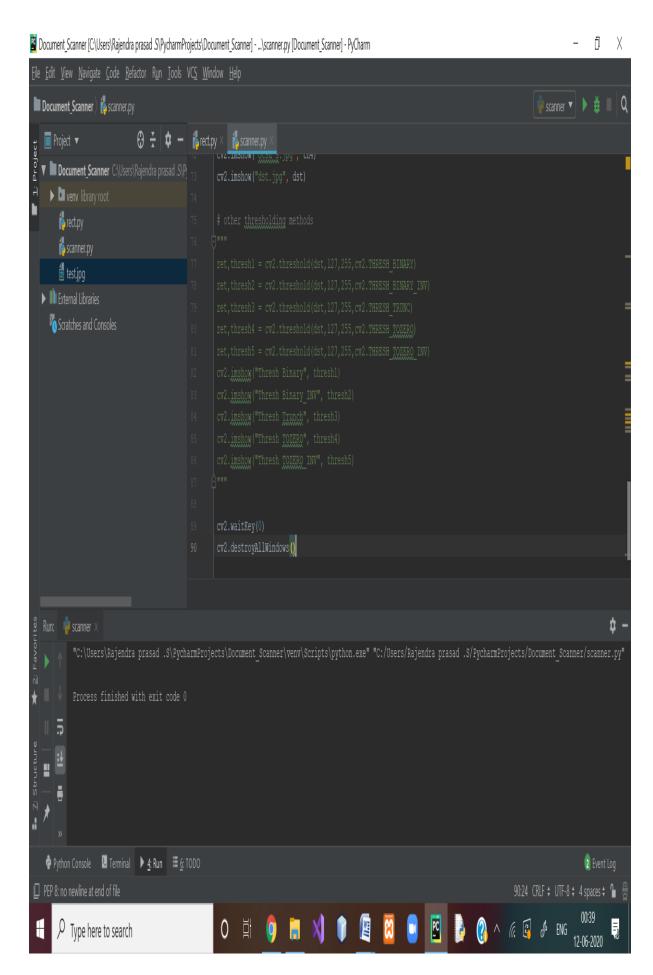


scanner.py file

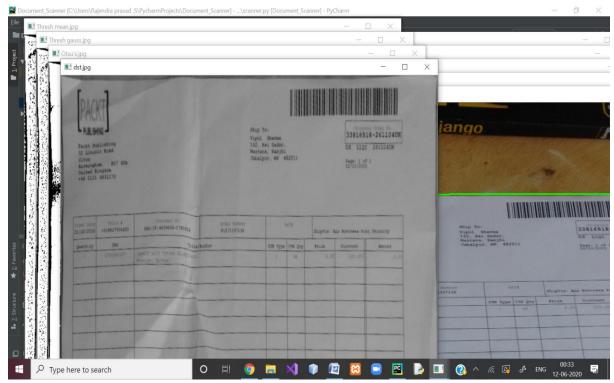




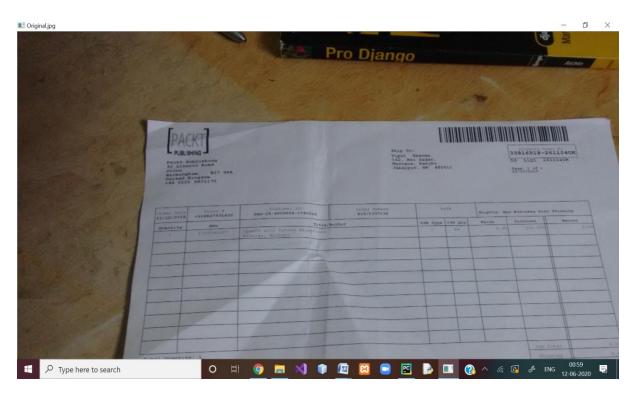


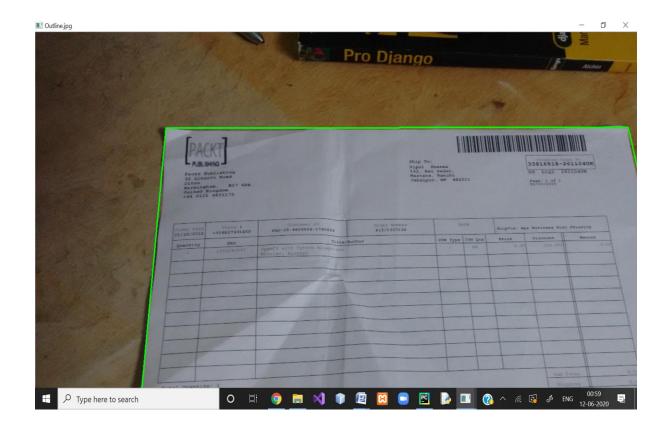


## **Testing:**

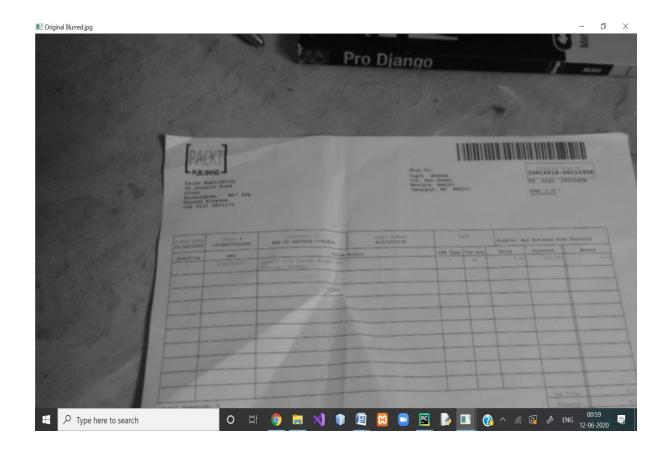


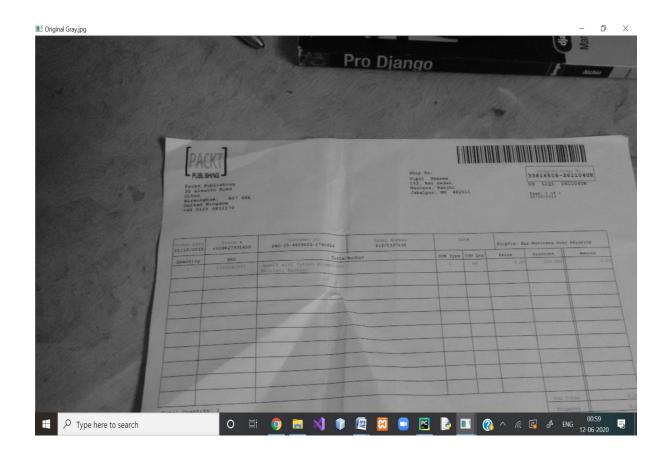
Initial minimized output

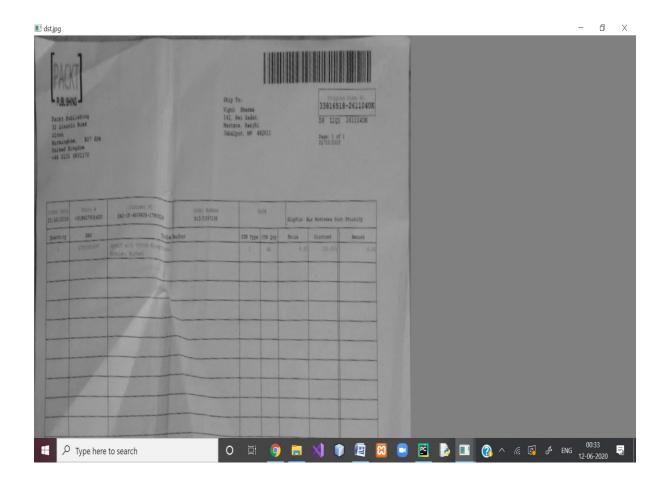


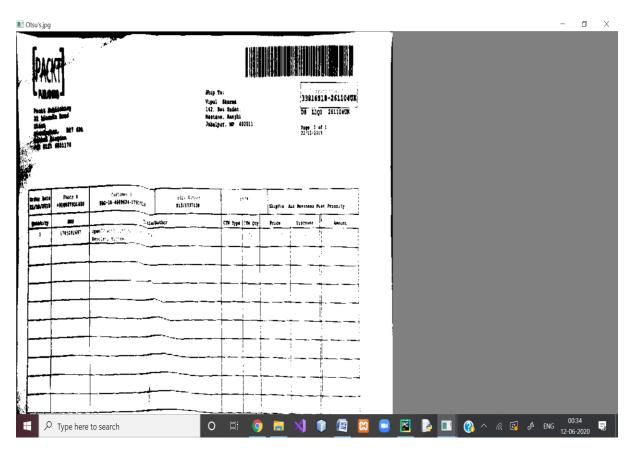


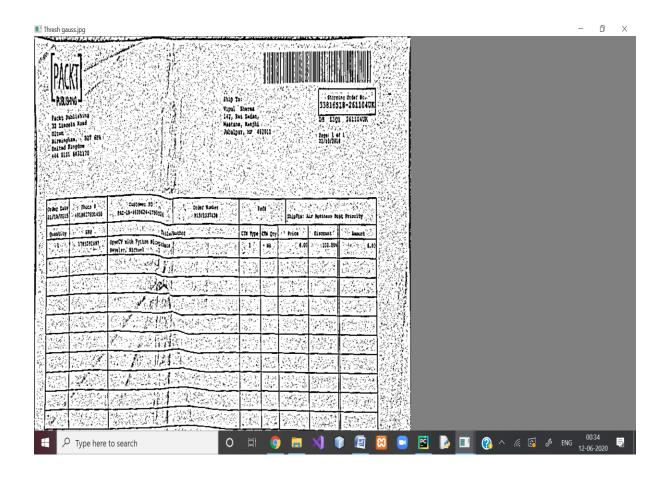


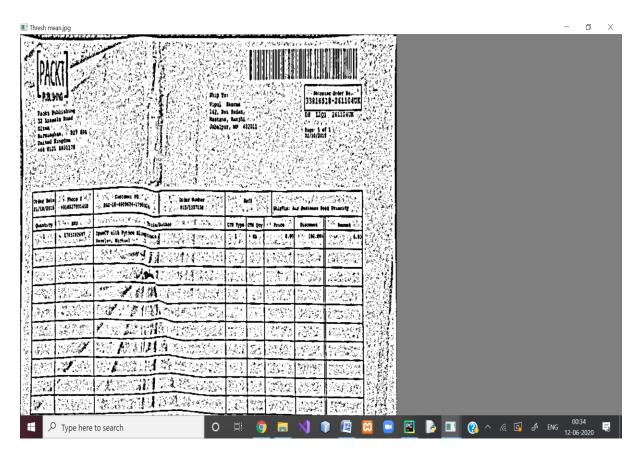












#### **Conclusion & Future Enhancements:**

We managed to get our document scanned and transformed it to augment its look and feel. This code can be put across a web interface by using flask. Flask is one of the most used frameworks for Python based web application. We can further make our code to run on demand independently by using docker framework. This code is just a base to build further application. For example, this code can be generalized to create a mobile/web out of it.

One important point we would like to bring is that for various functions parameters, we have used those values which worked best in our case. We arrived at these values after trying various combinations. Moreover, if we plan to put this in real action, i.e. an app or document scanner, then we will try to capture document from top instead of from an angle. This way we will get best results.