**The software’s used by me:**

1. **Pycharm –** To code the backend of the app
2. **Flask –** To create the frontend of the app and again coded in python language
3. **Google Earth –** To plot the output
4. **QGIS –** To create grid of input shape file

**The libraries which needed to be downloaded**

1. **Python v3.9.0**
2. **sys**
3. **cmath**
4. **numpy**
5. **pandas**
6. **csv**
7. **time**
8. **xml.etree**
9. **sklearn**
10. **DBSCAN**
11. **ConvexHull**
12. **geopandas**
13. **shapely**
14. **re**
15. **os**

**Limitations**

**At a time just upload 50 csv’s to avoid the time out action if still there is a time out then in app folder look till how many grid the work is done and after that upload the remaining files**

**There is a need to manually check the change detection**

**Environment should have enough space like 2GB so that it can run freely**

**This space is temporary it will delete all the unnecessary files**

**Regularly delete the files from upload section**

**The grid should of max 200 acres and run time for each grid of 200 acres will take 2.5 min**