

The code is written in **Jupyter notebook**.

**Python- 3.10.5** used.

Dependencies Installed:

1. pandas==1.4.3
2. scikit-learn==1.2.1
3. pickle (comes as standard library in Python>=3.9)

File Structure:

1. **notebooks folder** contains **model.ipynb** for training the model.
2. **data folder** contains:
  - provided **Train.csv** and **Test.csv** for training and testing the model
  - **submission.csv** as final submission file for the challenge
3. **model.pkl** contains the model

Features used from Train.csv for training:

1. lat
2. lon
3. season
4. aqi(target variable)

Model used for training:

- **RandomForestClassifier**