

## Server/Application Environment

### API Service

OpenWeatherMap API to get daily weather data  
Use the machine learning model to predict

Historical data

**Machine Learning Model**  
Use the Historical data to  
create an ML model

ML Model +  
OpenWeatherMap API data  
= Predictions

Web App with a Dashboard  
built using Flask within  
Python



## User/Client



### Application

Application allows user to upload file  
Application can read the file as a csv  
Application can store the csv file  
Application has dashboard

### Dashboard

Displays Prediction plots for the  
Wind and Solar plants

