## WEATHER CLI APP

### ****Problem Statement****

In today's fast-paced world, people often need quick access to weather updates to plan their day. However, opening a browser or navigating through an app can be time-consuming or inconvenient, especially when working on a terminal. This project solves that by providing a simple **command-line interface** (CLI) where users can get **real-time weather data** for any city in seconds.

### ****Tools & Libraries Used****

1. **Python**: Core programming language for logic and structure.
2. **requests**: To make HTTP calls to the OpenWeatherMap API.
3. **dotenv**: To securely store and access the API key using a .env file.
4. **csv**: To optionally save weather data in a .csv file.
5. **OpenWeatherMap API**: To fetch live weather data like temperature, humidity, condition, and wind speed.

### ****Solution Overview****

The Weather CLI App is a Python program that:

1. Prompts the user to enter a **city name**.
2. Fetches **real-time weather data** using the OpenWeatherMap API.
3. Displays important details like:

* Temperature (in Celsius)
* Humidity
* Weather Condition (e.g., Clear, Rain)
* Wind Speed
* Country

1. Gives the user the option to **save the data into a** .csv **file**.
2. Allows repeated weather checks in a single session.