# 🌤️ Weather Forecast App

A simple weather app built in Python using the OpenWeatherMap API. This project was created as part of the PM Accelerator AI Engineer Internship Technical Assessment.

## ✅ Features

* Get current weather conditions by city
* Display 5-day weather forecast (every 3 hours)
* Line chart of temperature over time
* Export forecast data to CSV
* Minimal setup, runs easily in Google Colab

## 📦 Requirements

* Python 3.7+
* OpenWeatherMap API key (free from https://openweathermap.org/api)

## ⚙️ Setup Instructions

1. Clone the repository or copy the code into Google Colab
2. Install the dependencies:  
    pip install requests pandas matplotlib
3. Replace 'YOUR\_API\_KEY\_HERE' with your OpenWeatherMap API key
4. Run the notebook and enter a city name when prompted

## 📈 Sample Output

City: Hyderabad

Temperature (°C): 33.5

Description: clear sky

Humidity (%): 30

Wind Speed (m/s): 2.4

## 📁 Output Files

- forecast\_output.csv – Forecast data saved locally

## 📽 Demo Video

[Insert your demo video link here after recording]

## ✍️ Author

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