# 🌤️ Weather App

**🔗 GitHub Repository:** <https://github.com/Naitik4897/Weather-App> **🔗 Live Demo:** <https://weather-app-naitik.vercel.app/>

## ✨ Features

* Current Location Weather: Get weather information for your current location
* City Search: Search for weather information in any city worldwide
* Responsive Design: Works on desktop and mobile devices
* Real-time Data: Fetches live weather data from OpenWeatherMap API

## 🛠 Technologies Used

* HTML5
* CSS3
* JavaScript (ES6+)
* OpenWeatherMap API
* Geolocation API

## 🚀 Getting Started

* 📋 Prerequisites:  
  - A modern web browser  
  - OpenWeatherMap API key (get one from OpenWeatherMap)
* 💻 Installation:  
  - Clone the repository:  
   git clone https://github.com/Naitik4897/Weather-App.git  
   cd Weather-App  
  - Open index.html in your web browser or serve it using a local server.  
  - The app will request location access for current weather or you can search for any city.

## 🔐 API Configuration

* The app uses the OpenWeatherMap API. The API key is currently hardcoded in script.js. For production use, consider:  
  - Using environment variables  
  - Implementing a backend proxy to hide the API key  
  - Using a secure key management system

## 📖 Usage

* Your Weather Tab: Click "Grant Access" to allow location access and get current weather
* Search Weather Tab: Enter a city name to get weather information for that location
* View detailed weather information including temperature, humidity, wind speed, and cloudiness

## 📁 Project Structure

* weather-app/  
  ├── index.html # Main HTML file  
  ├── style.css # Styling  
  ├── script.js # JavaScript functionality  
  ├── Images/ # Image assets  
  │ ├── cloud.png  
  │ ├── favicon.ico  
  │ ├── humidity.png  
  │ ├── loading.gif  
  │ ├── location.png  
  │ ├── not-found.png  
  │ ├── search.png  
  │ └── wind.png  
  └── README.md # Project documentation

## 🤝 Contributing

* Fork the repository
* Create a feature branch (git checkout -b feature/amazing-feature)
* Commit your changes (git commit -m 'Add some amazing feature')
* Push to the branch (git push origin feature/amazing-feature)
* Open a Pull Request

## 📄 License

* This project is open source and available under the MIT License.

## 📞 Contact

* Naitik4897 - GitHub Profile
* Project Link: https://github.com/Naitik4897/Weather-App