

Real-Time Weather Detection

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Abstract: *This paper presents the design and development of a Real-Time Weather Detection System utilizing HTML, CSS, JavaScript, and API integration. The system connects to the OpenWeatherMap API to collect and display current weather data for any selected location. The project highlights the integration of API-based services into front-end development, showcasing how client-side technologies can effectively handle real-time data visualization for user convenience. By emphasizing simplicity, responsiveness, and accuracy, the project contributes to the field of web-based environmental information systems, demonstrating how modern web technologies can support real-time data accessibility and user engagement.*

Keywords: Real-Time Weather Detection, OpenWeatherMap API, HTML, CSS, JavaScript, Weather Forecasting

