

# Curriculum Internship Presentation

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# Title of Project:

Web Development Internship project in  
Prodigy Infotech.



# Problem Statement

- Task 1:- Build a web page that fetches weather data from a weather API based on the user's location or a user-inputted location. Display the current weather conditions, temperature, and other relevant information.
- Task 2:- Build a personal portfolio website that showcases your skills, projects, and accomplishments as a web developer. Design an attractive and visually appealing layout that captures visitors' attention. Include a home page with a captivating headline, professional photo, and summary of your skills. Provide an "About Me" section with a detailed background, education, and professional experience.

# Objectives:

- ▶ Showcase Professional Skills and Projects.
- ▶ Responsive and User-Friendly design.
- ▶ Designing good UI-UX.
- ▶ To get experience related to web development.
- ▶ To gain knowledge and improve skills.
- ▶ To know the workings of API.
- ▶ Integrate multiple web pages like Map.
- ▶ Organize content for easy navigation and quick access.

# Scope of the Project

► **1. Content Types:** The website will include sections for an About page, a project showcase, and a contact form.

► **2. Features:** Features like a photo gallery, downloadable resume, and testimonials will be integrated to provide comprehensive information about professional skills and experiences.

► **3. Technology Design:** The site for both TASK-1 and TASK-2 will be developed using HTML, CSS, JavaScript, and Bootstrap for responsive design.

► **4. Responsive Design and Accessibility:** The design will be mobile-first, ensuring optimal functionality on smartphones and tablets, as well as desktops.



# Technology Stack

## ► Client :

- **HTML5:** Provides the structure for web pages, leveraging the latest HTML standards.
- **CSS3:** Used for styling, with advanced features like Flexbox and Grid for responsive layouts.
- **JavaScript (ES6+):** Enhances interactivity and functionality of the websites.
- **Bootstrap:** A frontend framework for developing responsive and mobile-first websites quickly.
- **Weather Data API** (Ex.- OpenWeatherMap).
- **React Icons** library.

# -About Technology Stack



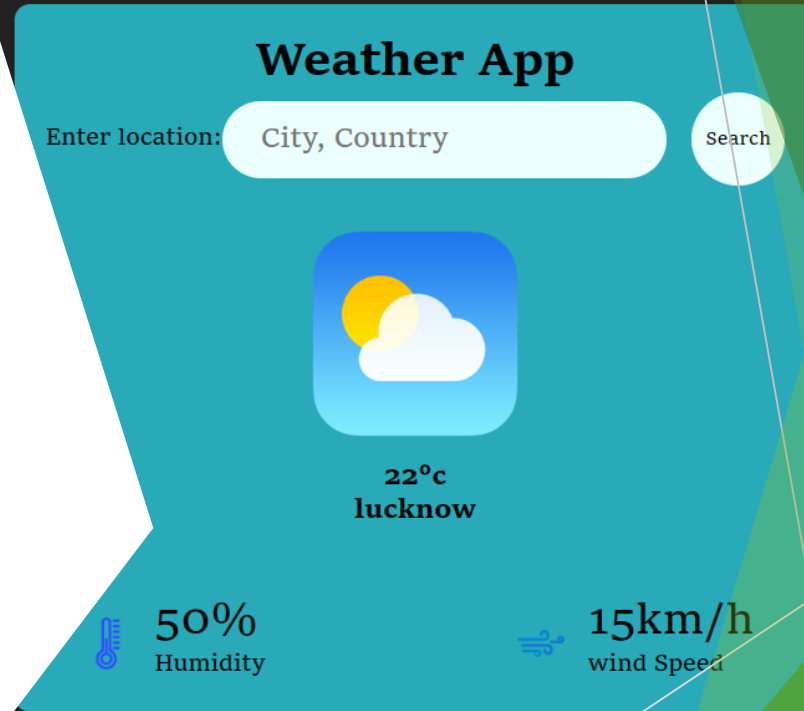
- ▶ HTML, CSS, and JavaScript are the foundational technologies of web development. HTML structures web content, CSS styles it and JavaScript adds interactivity and dynamic features. Together, they enable the creation of visually appealing, responsive, and interactive websites. This trio is essential for developing user-friendly interfaces that operate seamlessly across different devices and platforms. Each plays a distinct role but collectively, they provide the complete toolset needed for front-end development.



# Weather Website (Task - 01 )

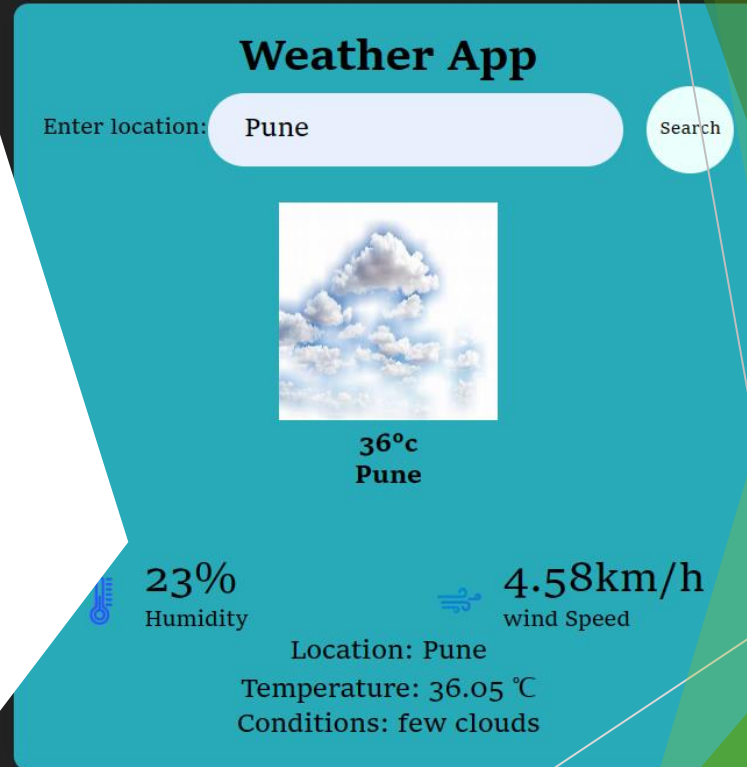


# Implementation (Task - 01)



# Implementation (Task - 01)

avorites bar. Looking for your favorites? [Check your profiles](#)



You have to verify your email to use OpenWeatherMap services. Please [click here](#) to get an email with the confirmation link.

New Products

Services

API keys

Billing plans

Payments

Block logs

My orders

My profile

Ask a question

You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.

Key

Name

Status

Actions

52077cc03eb39fddf8a540b45ee0f22b

Default

Active



Create key

API key name

Generate

## API Collections

Historical and Forecast APIs

Real-time Weather Data

Interactive Maps

Developer Dashboard

## Subscription

How to start

Pricing

Subscribe for free

FAQ

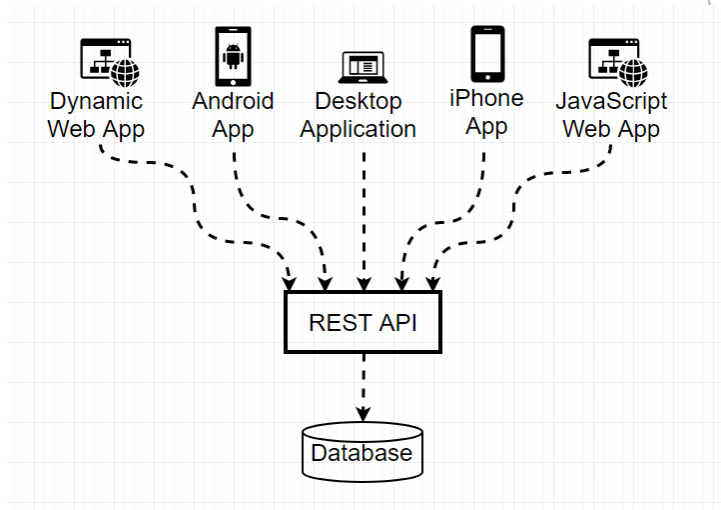
## Company

OpenWeather is a team of IT experts and data scientists that has been practising deep weather data science since 2014. For each point on the globe, OpenWeather provides historical, current and forecasted weather data via light-speed APIs. Headquarters in London, UK.



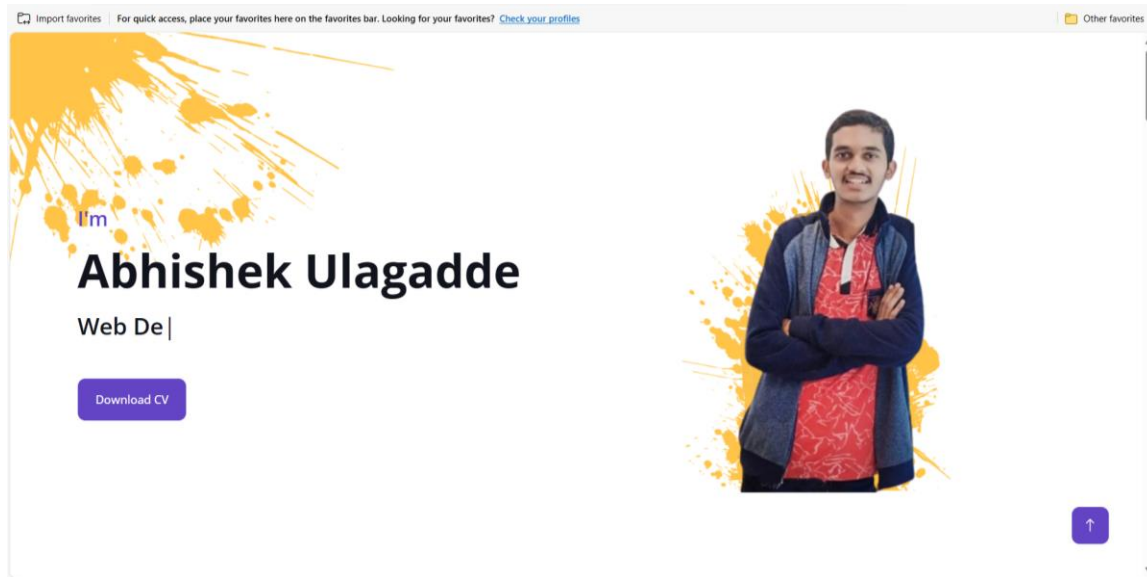
# How Data get Fetched ?

- ▶ To fetch data from a weather API, a request is sent to the API's server using a specific URL, which includes the necessary API keys and parameters.
- ▶ The server processes this request and retrieves relevant weather data from its databases.
- ▶ The data is then returned in a structured format, typically JSON or XML, which can be easily integrated and used in various applications.
- ▶ Developers must refer to the API documentation to correctly format requests and effectively handle responses.
- ▶ This enables the integration of real-time weather updates and forecasts into applications, enhancing functionality and user experience.



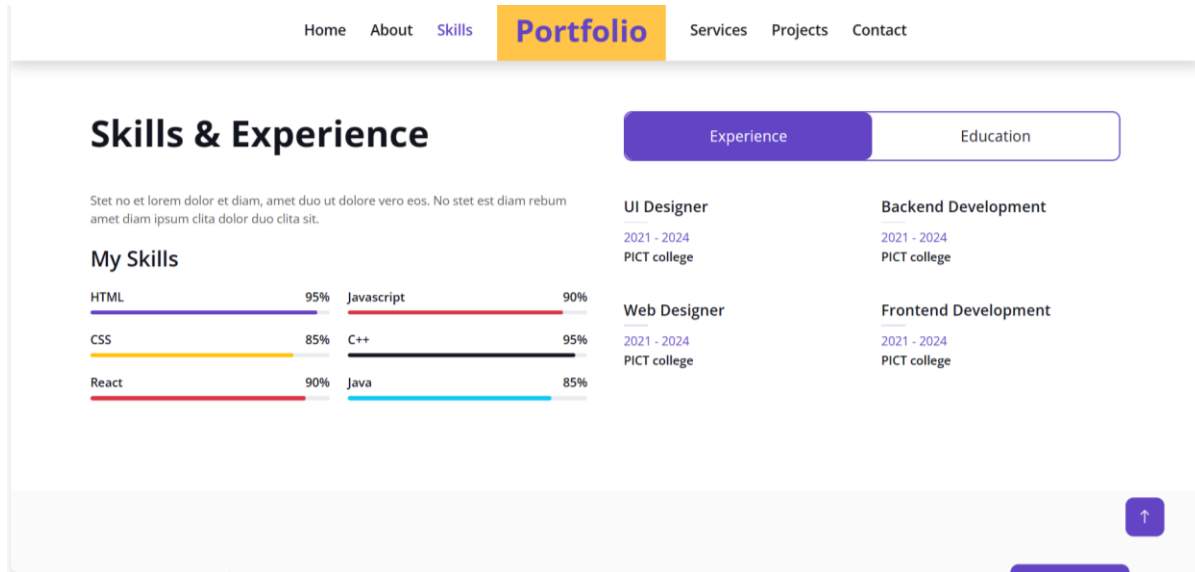


# Portfolio Website (Task - 02)



## Implementation (Task - 02)

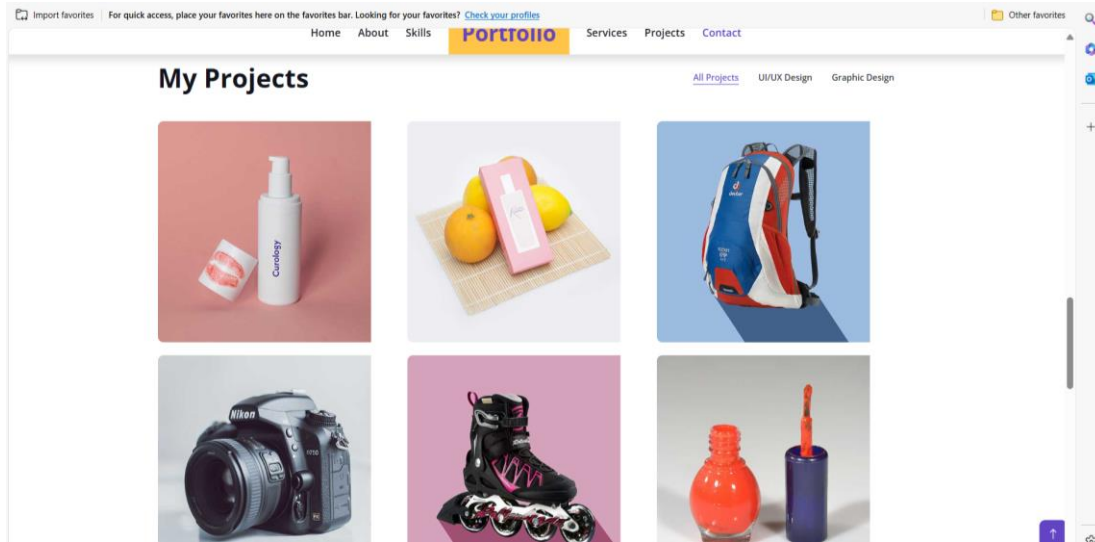
Home page



## Implementation (Task - 02)

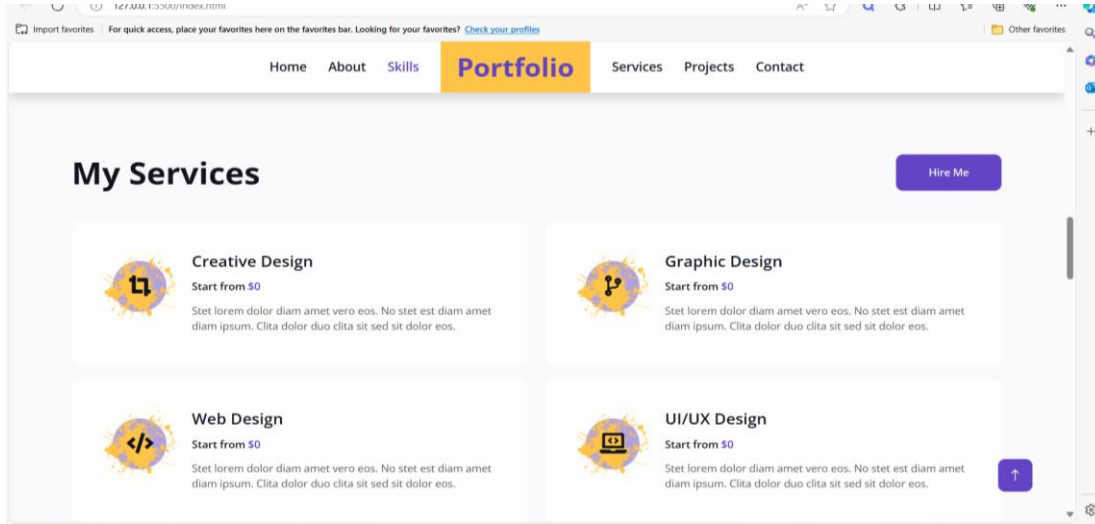
About page





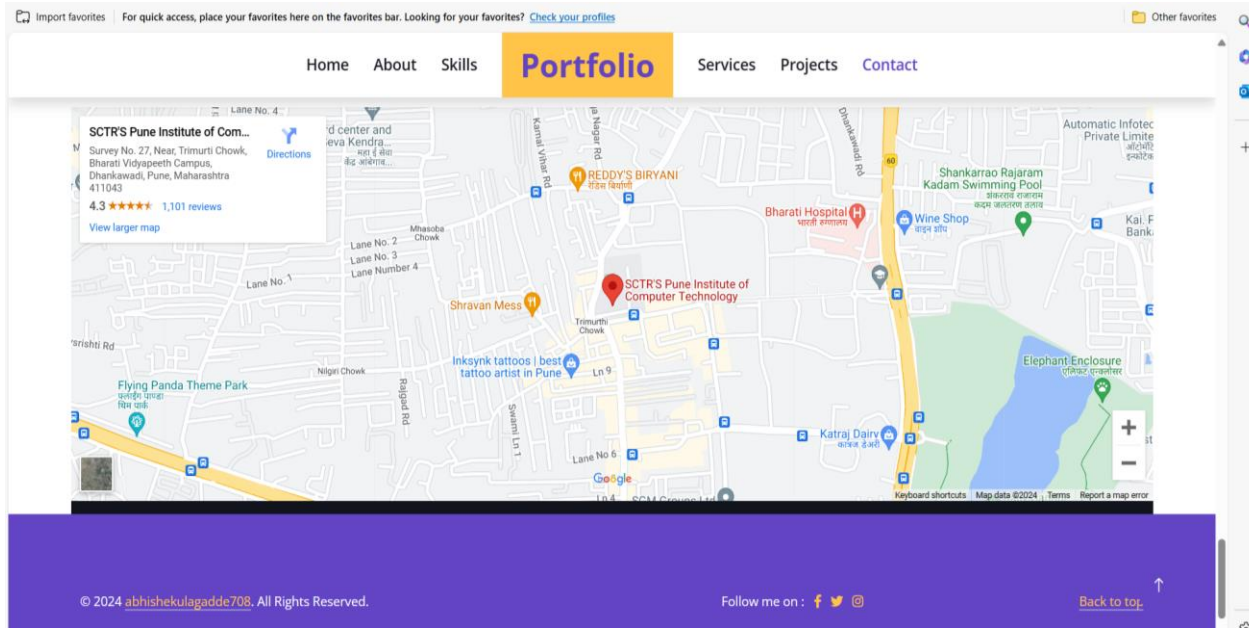
## Implementation (Task - 02)

Projects page



## Implementation (Task - 02)

Services page



Implementation  
(Task - 02)

Location page

[Home](#) [About](#) [Skills](#) **Portfolio** [Services](#) [Projects](#) [Contact](#)





## Let's Work Together

My College:  
**Pune Institute of Computer Technology , Dhankawadi**

Call me:  
**+91 7972241100**

Mail me:  
**abhishekulagadde708@gmail.com**

Follow me:



The contact form is currently inactive. If you have any issue regarding anything you can contact me at given number [7972241100](tel:7972241100).

## Implementation (Task - 02)

Contact page

# References

- ▶ W3 Schools: Offers tutorials and references on web development languages, including HTML, CSS, and JS.
  - ▶ Link [https://www.w3schools.com/html/html\\_scripts.asp](https://www.w3schools.com/html/html_scripts.asp)
- ▶ OpenWeather API: Offers extensive documentation on using their API for accessing weather data.
  - ▶ Link <https://openweathermap.org/>
- ▶ Bootstrap Documentation: Official Bootstrap documentation for creating responsive and mobile-first websites.
  - ▶ Link <https://getbootstrap.com/>

# Conclusion

Overall, the benefits of these projects extend beyond simple web presence; the portfolio website aims to significantly boost professional visibility and career opportunities, while the weather website will serve as a vital resource for daily planning and emergency preparedness.





Thank  
You