

WAPH-Web Application Programming and Hacking

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Figure 1: Vihasith Rasala

Individual Project 1 – Front-end Web Development with a Professional Profile Website on github.io cloud service

Overview: This project involves creating a professional profile website for front-end web development using GitHub Pages. The personal portfolio has been developed and deployed on GitHub's cloud service.

To meet technical requirements, the website incorporates basic JavaScript, JQuery, and the React library. Additionally, two public web APIs are integrated to enhance functionality. JavaScript cookies are utilized for remembering users, enabling personalized greetings upon revisiting the website.

For non-technical requirements, an open-source Bootstrap framework is utilized to ensure a responsive and visually appealing design. Moreover, Google Analytics page tracker is integrated to gather insights on website traffic and visitor behavior.

Link to the repository: <https://github.com/Vihasith137/Vihasith137.github.io/blob/main/README.md> Link to Portfolio: https://vihasith137.github.io/my_portfolio/index.html

To create the personal portfolio i have downloaded a predefined bootstrap template from <https://startbootstrap.com/theme/resume> and customized it as per the project requirements. This portfolio consists of professional profile with my resume, including name, headshot, contact information, background, e.g., education, my experiences and skills. Additonally, a link to new HTML page to show case the Hackathons , Labs which are completed as part of WAPH course work has been added.

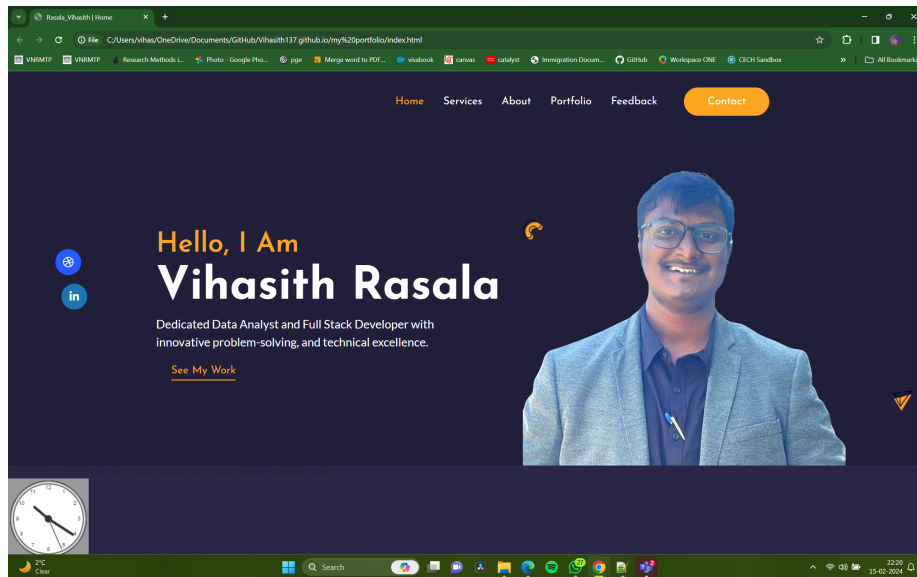


Figure 2: portfolio homepage

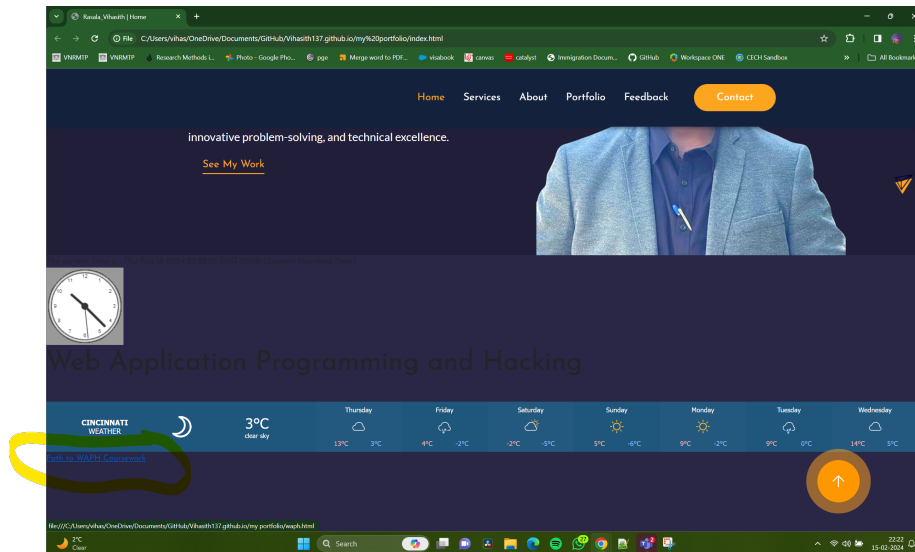


Figure 3: Link to WAPH course

A live weather update API is added to my portfolio.

```
<div class="weather-widget">
  <a class="weatherwidget-io" href="https://forecast7.com/en/39d10n84d51/cincinnati/"
  <script>
    !function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0];
    if(!d.getElementById(id)){js=d.createElement(s);js.id=id;
    js.src='https://weatherwidget.io/js/widget.min.js';
    fjs.parentNode.insertBefore(js,fjs);}}(document,'script','weatherwidget-io-js');
```

An opensource Joke API is added which refreshes for every 60 seconds

```
function displayJoke(){
  $.get("https://v2.jokeapi.dev/joke/Programming?type=single",function(result){
    console.log("from joke API: "+ JSON.stringify(result));
    if (result && result.joke) {
      $("#response").text("Programming joke of the day: " +result.joke);
    }
    else{
      $("#response").text("Could not retrieve a joke at this time.");
    }
  });
}
displayJoke();
setInterval(displayJoke,60*1000);
```

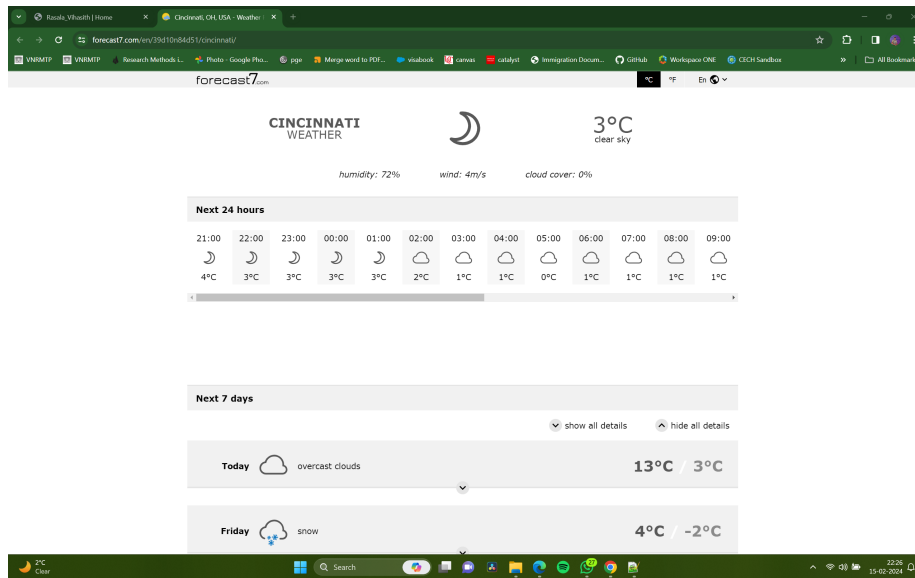


Figure 4: Redirected image

[Path to WAPH Coursework](#)
Programming joke of the day: I've got a really good UDP joke to tell you but I don't know if you'll get it.

The techstack used for this portfolio is HTML, CSS, Bootstrap framwork, and JavaScript.