WAPH-Web Application Programming and Hacking

Instructor: Dr. Phu Phung

Student

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Figure 1: Nirosha Challa

Lab 1 - Foundations of the Web

Overview :

This project explores more into the web application development with front-end. As a part of this project, I understood how to create a professional webpage to add my resume details in it. This individual project comprised of all the labs and hackathons which i have performed till date. It includes all the skills which i have explored so far. As a part of non technical i have collected a bootstrap theme to make my resume style to enhance its visibility. In the technical side we have used java script, integration of web api's which i have learned in lab2 and a new web api integration which has some graphics. Some of the existing code like analog clock ,digital clock were used from the lab 1. Finally every screenshot was captured and set in a README.md file and converted into markdown format using pandoc tool.

https://github.com/challans216/challans216.github.io/blob/main/project1/ README.md

Part 1 : General Requirements

Here i have created a new public repository with my username.github.io and created a profile which includes all the details that i can keep in my resume

:education , experience, projects etc Along with this i have created a html page to introduce to web application programming and hacking which explains about the overview of lab0 , lab1, lab2 and hackathon1 which i have performed till now. Below are the screenshots of the data. Simple HTML tags have been used to perform this.
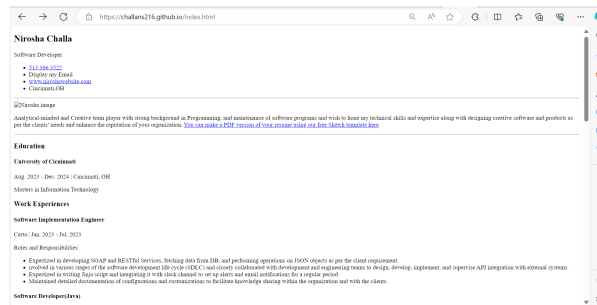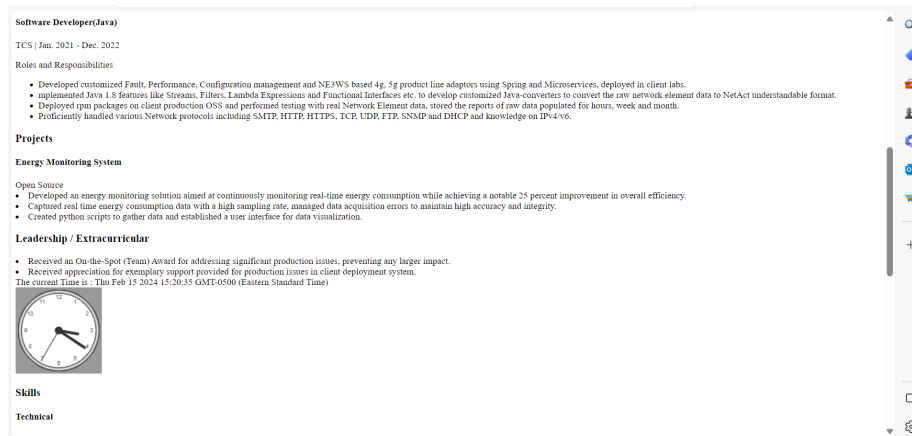

Figure 2: Without any styling for resume

Figure 3: 2

The below screenshot provides you the link to the webpage which gives an over view of all hands-on.

Part 2: Non- Technical Requirements

Here i have used a open source bootstrap framework to add styling to my resume. Along with that i have also used a flag counter. To use that i have provided few details to generate it accordingly like the no of countries that can be displayed in the image and other factors which helped me to generate a link. I have copied that link and used in the website in the href attribute which helped me to achieve it.
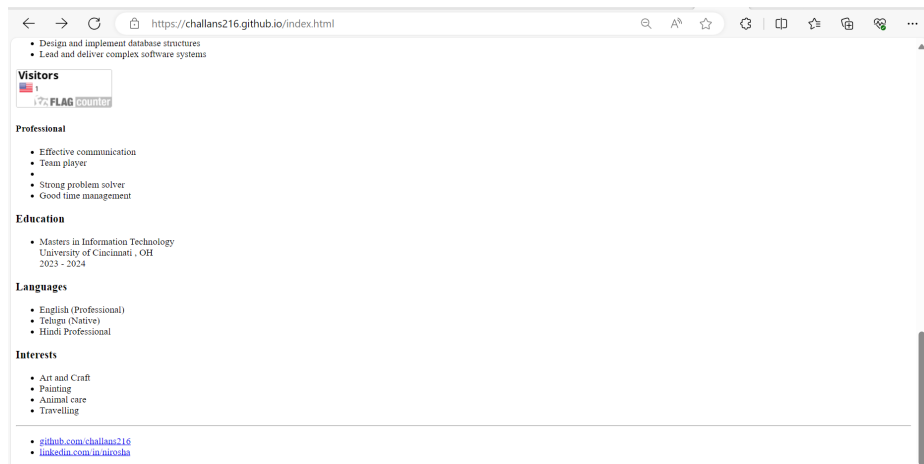
- Design and implement database structures
- Lead and deliver complex software systems

Visitors

Professional

- Effective communication
- Team player
-
- Strong problem solver
- Good time management

Education

- Masters in Information Technology
  University of Cincinnati , OH
  2023 - 2024

Languages

- English (Professional)
- Telugu (Native)
- Hindi Professional

Interests

- Art and Craft
- Painting
- Animal care
- Travelling

github.com/challans216

linkedin.com/in/nirosha

Figure 4: 3

NIROSHA CHALLA

Software Developer

513 306 3522

click here for email

WebapplicationOverview

Cincinnati,OH

Analytical-minded and Creative team player with strong background in Programming, and maintenance of software programs and wish to hone my technical skills and expertise along with designing creative software and products as per the clients' needs and enhance the reputation of your organization.

EDUCATION

University of Cicninnati   Aug. 2023 - Dec. 2024 | Cincinnati. OH

Masters in Information Technology

WORK EXPERIENCES

Software Implementation Engineer   Certa | Jan. 2023 - Jul. 2023

Roles and Responsibilities

- Expertized in developing SOAP and RESTful Services, fetching data from DB, and performing operations on JSON objects as per the client requirement.
- nvolved in various stages of the software development life cycle (SDLC) and closely collaborated with development

The current Time is : Thu Feb 15 2024 22:33:56 GMT-0500 (Eastern Standard Time)

SKILLS
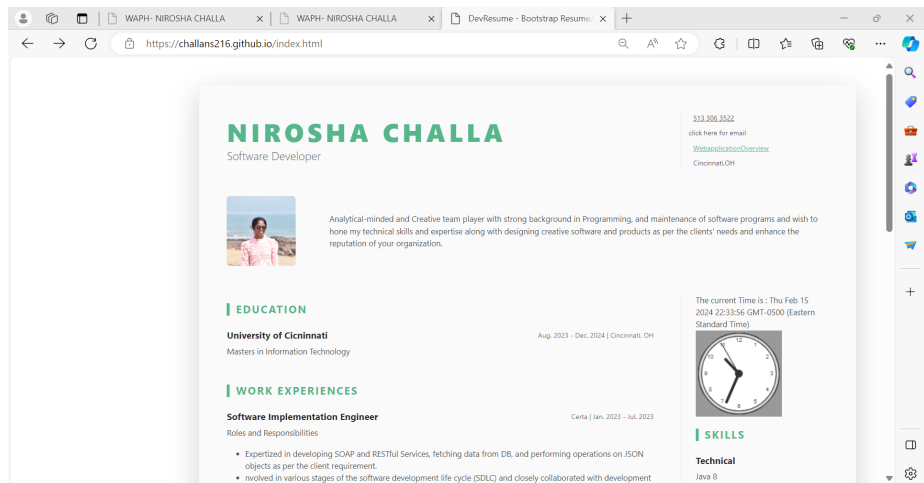
Technical

Java 8

Figure 5: Link to webapplication html page

3

below are the screenshots: Note : Overall Styling can be seen in the attached webpage pdf
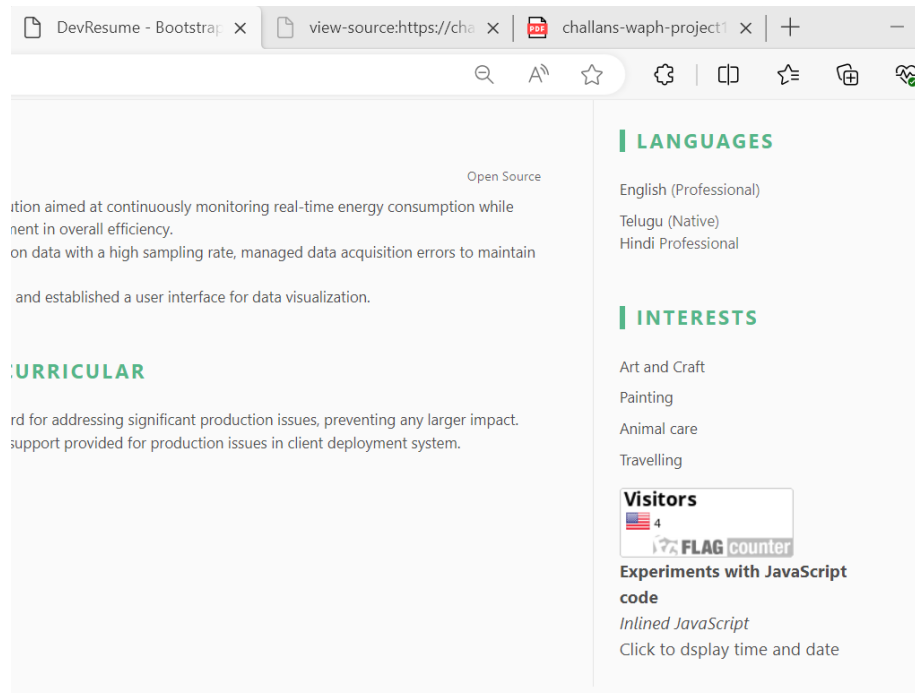

Figure 6: flag counter

Part 3 -Technical Requirements

Here i have used code to implement few features that i have already implemented in my previous handson which includes analog clock, digital clock, showhide email and display date and time.

As a part of web api integration this time i was able to retrieve any joke from the web api using jquery framework. I just inserted the script code of jquery to achieve this and took the response from json and parsed it to get the output.

Similarilly , I have used another open source/public APi which can print my favorite pet with the framework vue.js. Since vue.js can also be included in the script tags without the need of installation. I tried to get the image resposne by button click.

Finally i have written a code to remeber the client i.e cookies. I have took the reference from the demo code which was explained and printed the message. when i first clicked the website it was able to generate the welcome message as in the below screenshot.
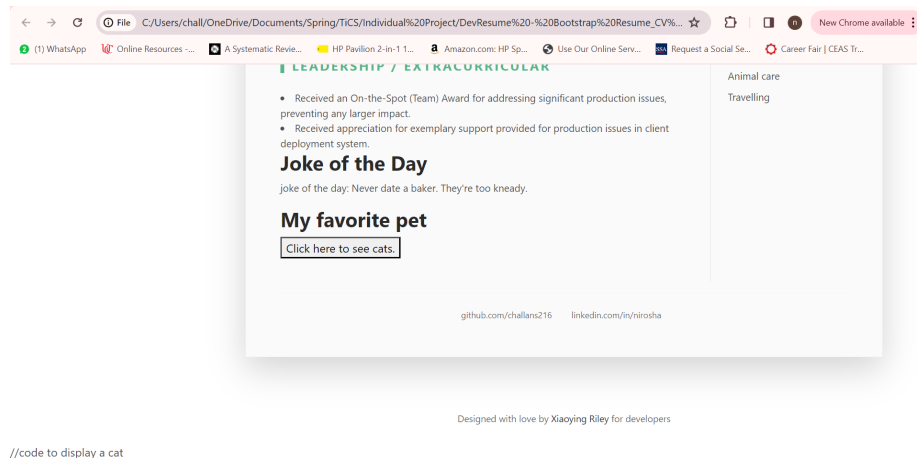
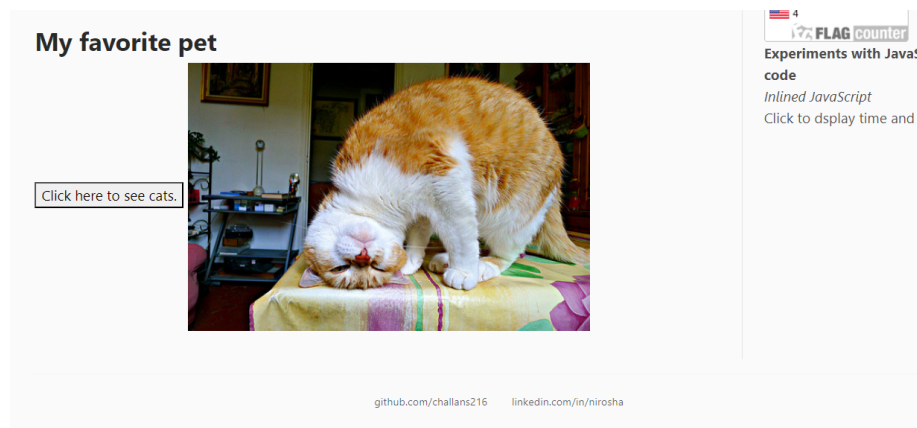Figure 7: joke API integration output
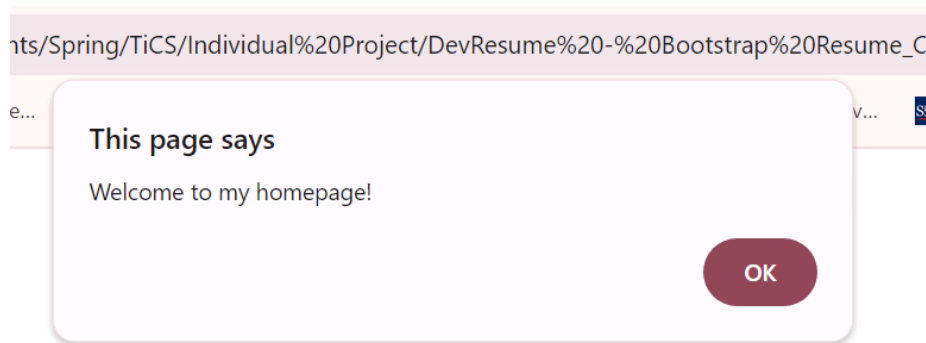

Figure 8: Cat API integration output

Figure 9: Cookies-first visit message

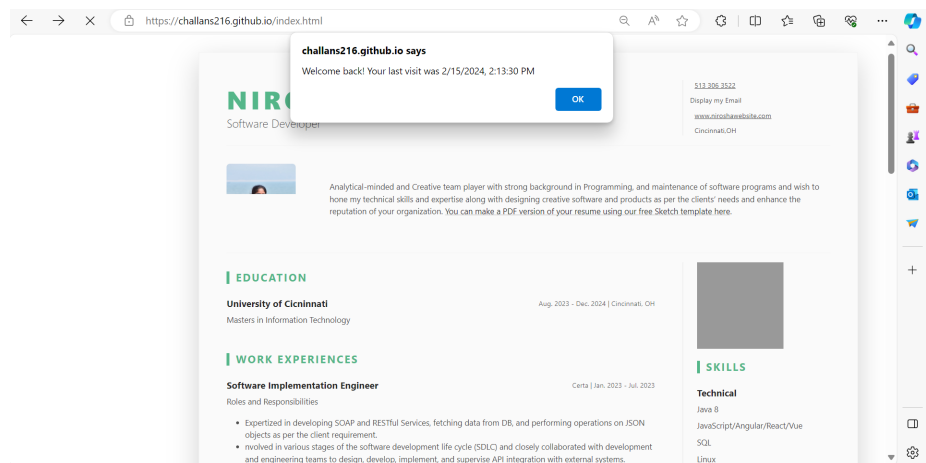From the next time it started to display the welcome message alobg with the date and time you last visited as in the below screenshot.

Figure 10: Cookies-second visit message