

IBMEDUNET
FRONTENDDEVELOPMENT
An Internship Report Submitted at the end of seventh semester

BACHELOR OF TECHNOLOGY IN
COMPUTER SCIENCE AND ENGINEERING

Submitted By

Tarun Kumar Yandra

(20981A0510)

Under the esteemed guidance of IBM

SKILLS BUILD

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



RAGHU ENGINEERING COLLEGE

(AUTONOMOUS)

Affiliated to JNTU GURAJADA, VIZIANAGARAM

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that this project entitled “**PORTFOLIO WEBSITE**” done by “**TARUN KUMAR YANDRA (20981A0510)**” is a student of B.Tech in the Department of Computer Science and Engineering, Raghu Engineering College, during the period 2020-2024, in partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering to the Jawaharlal Nehru Technological University, Gurajada Vizianagaram is a record of bonafide work carried out under my guidance and supervision. The results embodied in this internship report have not been submitted to any other University or Institute for the award of any Degree.

Internal Guide

Mrs. PSL Sravani
Dept of CSE,
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Dakamarri(V),
Visakhapatnam.

Head of the Department

Dr. R. Sivaranjani,
Dept of CSE,
Raghu Engineering College
Dakamarri(V),
Visakhapatnam.

EXTERNAL GUIDE

DISSERTATION APPROVAL SHEET

This is to certify that the dissertation titled

PORTFOLIO WEBSITE

BY

TARUN KUMAR YANDRA (20981A0510)

*Is approved for the degree of **Bachelor of Technology***

PROJECT GUIDE

Designation

Internal Examiner

External Examiner

HOD

Date:

DECLARATION

This is to certify that this internship titled “**Front End Development**” is bona fide work done by me, in partial fulfillment of the requirements for the award of the degree B.Tech and submitted to the **Department of Computer Science and Engineering, Raghu Engineering College, Dakamarri.**

I also declare that this internship is a result of my own effort and that has not been copied from anyone and I have taken only citations from the sources which are mentioned in the references.

This work was not submitted earlier at any other University or Institute for the reward of any degree.

Date:

Place:

TARUN KUMAR YANDRA
(20981A0510)

ACKNOWLEDGEMENT

I express sincere gratitude to my esteemed Institute “Raghu Engineering College”, which has provided us an opportunity to fulfill the most cherished desire to reach my goal.

It is a great pleasure to put on record our ineffable personal indebtedness to **Mr. Raghu Kalidindi, Chairman of Raghu Engineering College** for providing necessary departmental facilities.

I would like to thank the Principal **Dr. CH. Srinivasu** of “**Raghu Engineering College**”, for providing the requisite facilities to carry out projects on campus. Your expertise in the subject matter and dedication towards our project have been a source of inspiration for all of us.

I sincerely express our deep sense of gratitude to **Dr.R.Sivaranjani, Professor, Head of Department, Department of Computer Science and Engineering, Raghu Engineering College**, for her perspicacity, wisdom and sagacity coupled with compassion and patience. It is my great pleasure to submit this work under her wing. I thank for guiding us for the successful completion of this project work.

I would like to thank **IBM EDUNET** for providing the technical guidance to carry out module assigned. Your expertise in the subject matter and dedication towards our project have been a source of inspiration for all of us.

I extend my deep hearted thanks to all faculty members of the Computer Science department for their value based imparting of theory and practical subjects, which were used in the project.

I thank the non-teaching staff of the Department of Computer Science and Engineering, Raghu Engineering College, for their inexpressible support.

Regards
TARUN KUMAR YANDRA
(20981A0510)

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INTRODUCTION

- Front-end development has been a fascinating journey for me, leading to the creation of my portfolio website. This project allowed me to harness both my technical prowess and creative flair to design a platform that not only serves as a reflection of my personal brand but also provides an exceptionally user-friendly and engaging experience.
- My "Personal Portfolio Website" is a testament to my skills, experiences, and achievements as a web developer. It functions as a digital resume, delivering valuable insights into my background, skills, and the array of services I can offer. Additionally, it showcases a collection of my past projects, effectively demonstrating my prowess in web development and application design.
- The scope of this project was expansive, involving the development of a comprehensive portfolio website with distinct sections such as "About," "Certifications," "Internship," and "Contact". I've placed a strong emphasis on user-friendliness, responsiveness, and search engine optimization, ensuring that the site is easily accessible and discoverable. The website's structured and intuitive layout was designed with the intention of making it effortless for visitors to explore and access the showcased work and the information I've represented. The result is a meticulously crafted and highly functional portfolio website that authentically represents my unique identity and talents.
- In the process of creating this portfolio website, I made use of various technologies and frameworks, such as Bootstrap, HTML, and CSS, to streamline the development and enhance the overall user experience. This project is a testament to the transformative power of front-end development when it comes to bridging the worlds of technology and creativity, resulting in a platform that truly encapsulates my capabilities as a web developer.
- **Keywords:** HTML, CSS, Javascript, Bootstrap framework.

PROBLEM STATEMENT

- In the contemporary digital age, establishing a robust online presence is essential for individuals, artists, professionals, and creators to showcase their talents, achievements, and personal brands. To address this need, the challenge is to design and develop a comprehensive portfolio website utilizing a combination of Bootstrap, HTML, CSS, and JavaScript.
- The primary objective is to create a visually appealing and responsive platform that seamlessly adapts to various devices and screen sizes. This website should provide an exceptional user experience, offering intuitive navigation and interactive elements to engage visitors.
- One of the critical requirements is to serve as a showcase for the individual's work, including projects, art, articles, and other accomplishments. Leveraging Bootstrap, we aim to harness its responsive grid system, pre-built components, and styling to enhance the visual appeal of the website and streamline the development process.
- The website should also incorporate mechanisms for visitors to contact and connect with the creator, whether through contact forms, social media links, or other means of interaction. It is not merely a portfolio but a means of personal branding and networking.
- The solution is to create a portfolio website that leverages Bootstrap, HTML, CSS, and JavaScript to empower individuals to establish a compelling online presence. This website should be visually appealing, user-friendly, accessible, secure, and interactive, with a focus on showcasing their work, enabling personal branding, and fostering meaningful connections in the digital realm.

SOFTWARE REQUIREMENTS

System Requirements:

- **Operating System:** Front-end development tools are generally platform-independent, and developers can choose from various operating systems such as Windows, macOS, or Linux.
- **Hardware:** A standard modern computer with a decent amount of RAM (8GB or more) and a multi-core processor is recommended for a smooth development experience.

Software Requirements:

- **Text Editor or Integrated Development Environment (IDE):** Choose a text editor or IDE for writing and managing your code. Popular choices include:
 - Visual Studio Code
 - Atom
- **Web Browser:** Use a modern web browser for testing and debugging your web applications. Commonly used browsers for development include:
 - Google Chrome
 - Mozilla Firefox
 - Microsoft Edge
 - Safari

Hardware Requirements:

- **Processor (CPU):** A multi-core processor with a speed of at least 2.0GHz is recommended for smooth performance.
- **RAM (Memory):** 8GB of RAM or more is recommended, especially when working on larger projects or using memory-intensive applications.

SYSTEMDESIGN

Project Requirements Analysis: Understand the requirements of the project, including the target audience, features, and functionality. Collaborate with stakeholders to gather detailed information.

Technology Stack: Choose the front-end technologies that best suit the project. This includes selecting a combination of HTML, CSS, and JavaScript frameworks or libraries (e.g., React, Angular, Vue.js). Consider the compatibility and integration of these technologies.

Responsive Design: Plan for responsive design to ensure a seamless user experience across various devices and screen sizes. Utilize media queries and flexible grid systems.

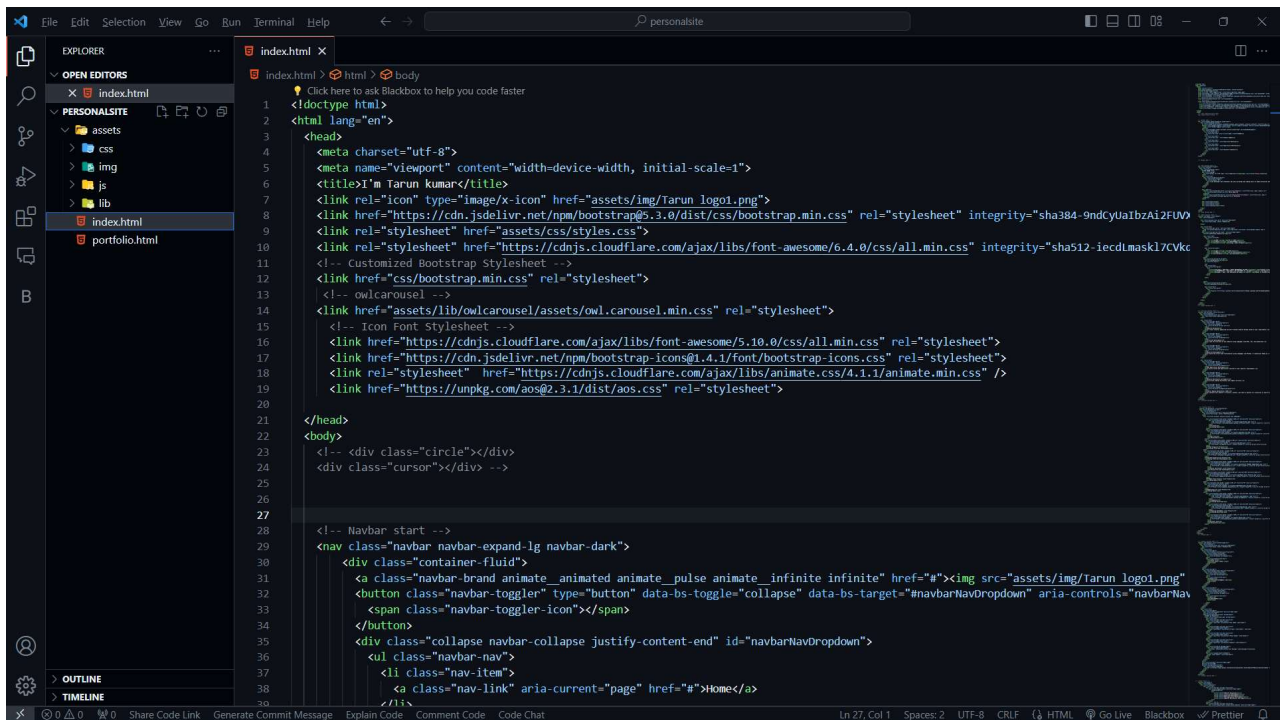
User Interface (UI) Design: Collaborate with UI/UX designers to create wireframes and mockups. Define the visual elements, color schemes, typography, and overall style guide for consistent design.

Component-Based Architecture: Adopt a component-based architecture to modularize the front-end code. This makes development more maintainable and scalable, especially when using frameworks like React or Vue.js.

Code Organization: Establish a clear and organized directory structure for your project. Group related files together, and follow best practices for file naming and organization.

IMPLEMENTATION

- **Responsive Web Design:** The website is designed using responsive web design principles. This methodology ensures that the site adapts to different screen sizes and devices, providing a consistent and user-friendly experience.
- **Bootstrap Framework:** The code utilizes the Bootstrap framework, a popular front-end framework, to streamline the development process. Bootstrap provides pre-designed components, a responsive grid system, and CSS styling, making it easier to create a visually appealing and responsive website.

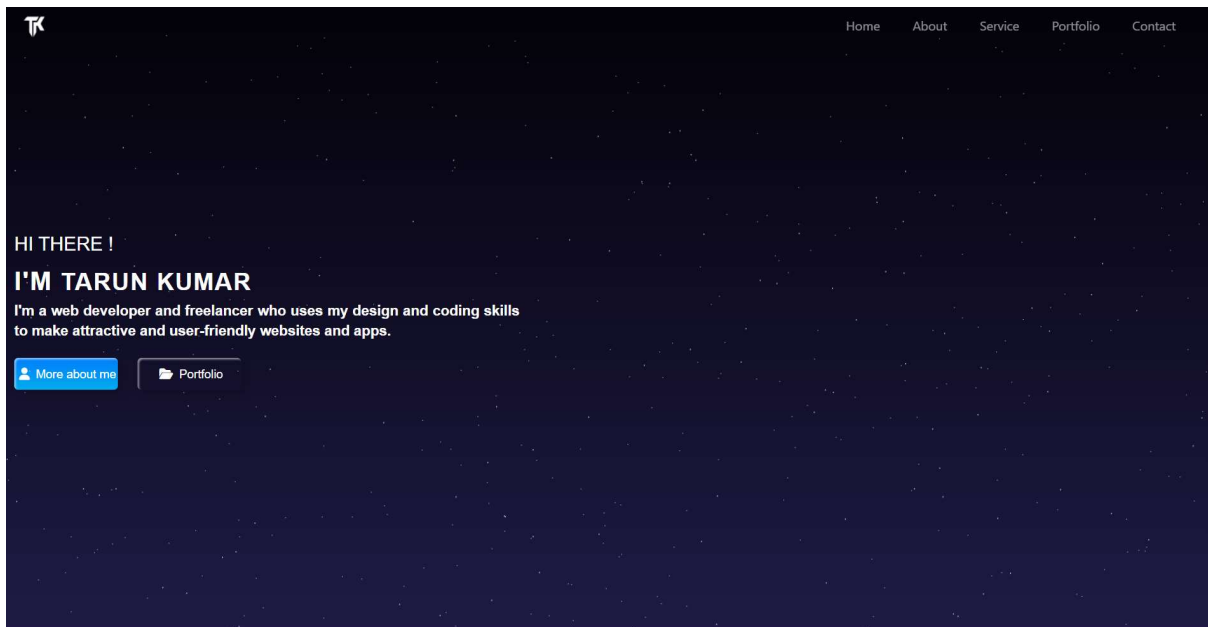


```
1 <!doctype html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <title>I'm Tarun kumar</title>
7     <link rel="icon" type="image/x-icon" href="assets/img/Tarun logo1.png">
8     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9ndCYuaibzAi2FUV"
9     <link rel="stylesheet" href="assets/css/styles.css">
10    <link href="https://cdn.jsdelivr.net/npm/ajax/libs/font-awesome/6.4.0/css/all.min.css" integrity="sha512-1ecdLmask17CVk"
11    <!-- Customized Bootstrap Stylesheet -->
12    <link href="css/bootstrap.min.css" rel="stylesheet">
13    <!-- owlcarousel -->
14    <link href="assets/lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
15    <!-- Icon Font Stylesheet -->
16    <link href="https://cdn.jsdelivr.net/npm/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
17    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css" rel="stylesheet">
18    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/ajax/libs/animate.css/4.1.1/animate.min.css" />
19    <link href="https://unpkg.com/aos@2.3.1/dist/aos.css" rel="stylesheet">
20
21  </head>
22  <body>
23    <!-- <div class="circle"></div>
24    <div class="cursor"></div> -->
25
26
27
28    <!-- Navbar start -->
29    <nav class="navbar navbar-expand-lg navbar-dark">
30      <div class="container-fluid">
31        <a class="navbar-brand animate animated animate_pulse animate_infinite infinite" href="#"></span>
34      </button>
35      <div class="collapse navbar-collapse justify-content-end" id="navbarNavDropdown">
36        <ul class="navbar-nav">
37          <li class="nav-item">
38            <a class="nav-link" aria-current="page" href="#">Home</a>
39          </li>
40        </ul>
41      </div>
42    </div>
43  </nav>
44  </body>
45</html>
```

```
228 </style>
229 <body>
230   <div class="container-fluid">
231     <div class="sky">
232       <div class="carousel">
233         <div class="carousel-item" onclick="window.open('https://tarunkumaryandra.github.io/75-hard-react/', '_blank');">
234           <div class="carousel-box">
235             <div class="title">75 Hard</div>
236             <div class="num"></div>
237             
238           </div>
239         </div>
240
241         <div class="carousel-item" onclick="window.open('https://tarunkumaryandra.github.io/Todolist-react/', '_blank');">
242           <div class="carousel-box">
243             <div class="title">Todo List</div>
244             <div class="num"></div>
245             
246           </div>
247         </div>
248
249         <div class="carousel-item" onclick="window.open('https://vizagdccb.org.in/', '_blank');">
250           <div class="carousel-box">
251             <div class="title">DCCB</div>
252             <div class="num"></div>
253             
255           </div>
256         </div>
257
258         <div class="carousel-item" onclick="window.open('http://netsdemos.designblocks.in/', '_blank');">
259           <div class="carousel-box">
260             <div class="title">Vasishta Exports</div>
261             <div class="num"></div>
262             
263           </div>
264         </div>
265
266         <div class="carousel-item" onclick="window.open('https://catalystpharma.co.in/', '_blank');">
```

```
729 display: flex;
730 align-items: center;
731 justify-content: center;
732 color: #FFFFFF;
733 background: rgba(0, 0, 0, .5);
734 border-radius: 6px;
735 opacity: 0;
736 transition: .5s;
737 }
738
739 .project-item:hover a {
740   opacity: 1;
741 }
742
743 .project-carousel .owl-dots {
744   display: flex;
745   align-items: center;
746   justify-content: center;
747   flex-wrap: wrap;
748   margin-top: 20px;
749 }
750
751 .project-carousel .owl-dot {
752   width: 35px;
753   height: 35px;
754   margin: 3px;
755   display: flex;
756   align-items: center;
757   justify-content: center;
758   border: 1px solid #DEE2E6;
759   border-radius: 35px;
760   transition: .5s;
761 }
762
763 .project-carousel .owl-dot:hover,
764 .project-carousel .owl-dot.active {
765   color: #FFFFFF;
766   border-color: #009CFF;
767 }
```

RESULTS



About



Personal Details

DOB: 9 oct 2002
Phone: 8317679931
City: Vizag, Andhra Pradesh

Age: 20
Degree: CS Undergraduate
Freelance: Available

Education

B-TECH | 2020-2024 | RAGHU ENGINEERING COLLEGE
Computer Science Engineering
CGPA:7.50

INTERMEDIATE | 2018-2020 | SRI CHAITANYA JR. COLLEGE
Board of intermediate Education, Andhra Pradesh
CGPA:8.90

SCHOOL | 2018 | SRI CHAITANYA EM SCHOOL
Board of Secondary Education, Andhra Pradesh
CGPA:9.00

Github Profile

<https://github.com/Tarunkumaryandra>

Services



Website Designing

can create visually appealing and user-friendly website designs based on your requirements.



Front-end Development

can code the front-end of your website using languages like HTML, CSS, and JavaScript.



Back-end Development

can build the server-side functionality using languages like Python, or JavaScript (Node.js).



Web Application Development

can build custom web applications tailored to your specific requirements.



Website Maintenance and Support

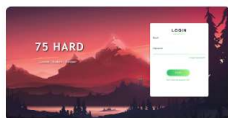
can provide ongoing maintenance and support services.



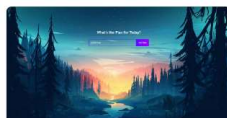
Search Engine Optimization (SEO)

can optimize your website's structure, content, and code to improve its visibility in search engine rankings.

Portfolio



75 Hard
Using React



Todo List
Using React



DCCB Vizag
Using Front-end Technologies



Camphouse
Using Bootstrap

01 02 03 04 05 06

Contact



Linked In

Tarun Kumar Yandra



E-Mail

tarunyandra124@gmail.com



Call

8317679931

Get In Touch

Your Name

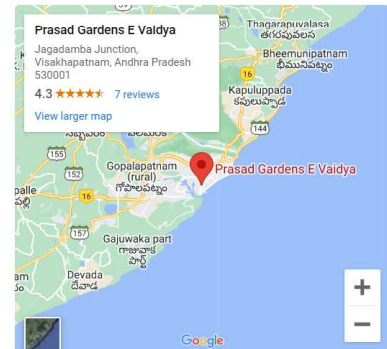
E-mail

Phone Number

Subject

Write Your Message

Send Now



Write your message

Send Now



SERVICES

Website Designing
Front-End Development
Back-End Development
Web Application Development
Website Maintenance And Support

PAGE LINK

About
Services
Portfolio
Contact

GET IN TOUCH



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CONCLUSIONS

- In conclusion, this portfolio website code demonstrates a well-structured, user-friendly, and visually appealing online presence. It effectively showcases the creator's skills and achievements, while also considering accessibility and user feedback for continuous improvement. Overall, it serves as an essential tool for personal branding and networking in the digital landscape.
- Leveraging the power of these technologies facilitates a compelling user experience, fostering engagement and leaving a lasting impression on visitors. The amalgamation of personalized content, intuitive navigation, and aesthetic finesse establishes a strong digital presence, positioning the individual as a proficient and innovative professional in the competitive digital landscape.
- It is essential to adhere to accessibility standards and implement basic SEO practices to ensure that the portfolio is perceivable, operable, and understandable to all users and improves search engine visibility. Continuous improvement through feedback and analytics can help in iterative making enhancements to the portfolio over time, keeping it up-to-date and relevant.

Internshipcertificate



