

Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION

SEMESTER INTERNSHIP PROJECT REPORT ON
PERSONAL TECHNICAL PORTFOLIO

Submitted in partial fulfilment of the requirements for the award of the
degree

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

Submitted by

Ginjala Hemanthsaikumar - 20HK1A0511

Goparaju Naga Sai Vibha - 20T91A0526

Kadali Venkata Dinesh -20T91A0534 Gubbala

Vijaybhaskar -20T91A0523

Under the Esteemed Guidance of

Mr. U. Vinod Kumar, (Ph.D.)

Assistant Professor

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
GIET ENGINEERING COLLEGE

Accredited by NAAC, Affiliated to JNTUK, Kakinada, Chaitanya
Knowledge City, Velugubanda, Rajamahendravaram – 533 296,
Andhra Pradesh, India. 2023-2024.

PERSONAL TECHNICAL PORTFOLIO A PROJECT REPORT

Submitted by

Team ID: LTVIP2023TMID05840

Team Leader : Ginja Hemanthsaikumar
Team member : Goparaju Naga Sai Vibha
Team member : Kadali Venkata Dinesh
Team member : Gubbala Vijaybhaskar

In Partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING
Under the Guidance of Mr. U.Vinod kumar (Ph. D)



GIET ENGINEERING COLLEGE, RAJAHMUNDRY

CERTIFICATE

This is to Certify that project of 6th Semester entitled “**PERSONAL TECHNICAL PORTFOLIO**” has been successfully completed by

Team ID: LTVIP2023TMID05840

Team Leader : Ginja Hemanth sai kumar(20HK1A0511)

Team member : Goparaju Naga Sai Vibha (20T91A0526)

Team member : Kadali Venkata Dinesh (20T91A0534)

Team member : Gubbala Vijaybhaskar (20T91A0523)

Under my guidance in partial fulfilment of the Bachelor of technology in computer science and engineering of GIET Engineering college in Academic year 2023-2024

Project Guide

Mr.U.Vinod Kumar,
M.Tech,(Ph.D)
Assistant professor

Head of Department

Dr.Sk.Meera.Sharief,
M.Tech, Ph.d
Head of Department CSE

ACKNOWLEDGEMENT

We are grateful to our guide, **Mr. U. Vinod Kumar, (Ph.D.) Assistant professor** for having given us the opportunity to carry out this **Personal Technical Portfolio project by Smart Internz**. We take this opportunity to express our profound and whole hearted thanks to our guide, who with his patience, support and sincere guidance helped us in successful completion of the project.

We are particularly thank our to our projects coordinator **Mr. U.Vinod Kumar,(Ph.D.) Assistant professor** for his innovative ideas, valuable suggestions and guidance during the entire period of our project work and with other unfathomable energy and enthusiasm.

We would like to thank **Dr. Sk. Meera Sharief, M.Tech, PhD, and Head of the Department of CSE**, for this constructive criticism throughout our personal technical portfolio project.

We would like to express our deep sense of gratitude to Principal, **Dr. Vijay Shekar Babu, Ph.D. of GIET Engineering College** for their direct help during the internship and also project.

We would also like to thank all the faculty members and non-teaching staff of the department of Computer Science and Engineering, GIET engineering college for their direct and indirect help during the project work.

We own our special thanks to the management of our college for providing necessary arrangements to carry out this internship project.

We would also like to thank smart internz platform for providing flexible and suitable hours for training and providing guidance during this period .

Lastly, we thank our parents for their ever - kind blessings.

ABSTRACT

My portfolio represents a diverse and dynamic collection of my work, showcasing my skills, experiences, and accomplishments across various disciplines. Through this compilation, I aim to provide a comprehensive overview of my professional journey and personal growth.

In the realm of software development, my portfolio features projects that demonstrate my proficiency in programming languages such as Python, Java, and JavaScript. These projects range from web applications, mobile apps, to data analysis tools. Additionally, I have highlighted my involvement in open-source contributions, which reflect my commitment to collaborative and community-driven development.

To underscore my creative inclinations, my portfolio also encompasses various design and multimedia projects. These include graphic designs, digital illustrations, and video editing. I believe that fostering creativity not only enhances problem-solving but also contributes to effective communication and user engage

Furthermore, my portfolio incorporates a section dedicated to my academic journey and research endeavours . I outline my educational qualifications, coursework, and research papers. This section demonstrates my dedication to lifelong learning and my passion for exploring emerging technologies and scientific advancements.

Lastly, I provide insights into my personal interests and extracurricular activities, which show case my adaptability , teamwork, and leadership qualities beyond Volunteering, and community initiatives are integral parts of my identity, and I believe they contribute to a well-rounded personality.

Overall, my portfolio reflects my drive for continuous improvement, adaptability, and passion for embracing challenges. I hope it serves as a testament to my capabilities and potential, and I am eager to explore new opportunities and collaborations that align with my values and aspirations.

CONTENTS

Acknowledgement

Abstract

Table of contents

Chapter 1: Introduction

1.1 Overview

A brief description about your project

1.2 purpose

The use of this project. What can be achieved using this.

Chapter 2: Literature survey

2.1 Existing Problem

Existing approaches or method to solve this method

2.2 Proposed solution

What is the method or solution suggested by you.

Chapter 3: Theoretical analysis

3.1 Block diagram

Diagrammatic overview of the project

3.2 Hardware / software designing.

Hardware and software requirements of the project

Chapter 4: Result

4.1 Final findings (output) of the project along with screenshots.

Chapter5: Advantages and disadvantages

5.1 List of advantages and disadvantages of the proposed solution.

Chapter6: Applications

6.1 The areas where the solution can be applied.

Chapter7: Conclusion

7.1 Conclusion summarizing the entire work and findings.

Chapter8: Future scope

8.1 Enhancements that can be made in the future.

CHAPTER – 1

INTRODUCTION

The personal portfolio project is a showcase of an individual's skills, accomplishments, and projects. It serves as a professional online presence that can be shared with potential employers, clients, or collaborators. The primary goal of this project is to create a visually appealing and user-friendly website that effectively represents the portfolio owner and highlights their achievements.

1.1 Overview:

A portfolio website is a digital platform where individuals or professionals showcase their work, skills, and accomplishments to potential employers, clients, or collaborators. It serves as an online resume and a visual representation of their abilities, experiences, and expertise. Whether you are a graphic designer, photographer, web developer, writer, or any other creative or professional, a portfolio website can be an essential tool for establishing your online presence and building credibility in your field.

1.2 Purpose:

Guidance for Future Development: If you plan to continue working on the project. The purpose of creating documentation for a personal portfolio project is to provide a comprehensive and organized record of the project's development process, design decisions, features, and functionalities. Documentation serves several crucial purposes

- 1. Communication:** It allows you to effectively communicate your project to others, whether it's potential employers, clients, collaborators, or other developers. Clear and well-structured

documentation helps others understand your project quickly and easily.

- 2. Showcase our skills:** Your personal portfolio project serves as a showcase of your technical skills and abilities. Documentation complements the actual project by providing insights into your thought process, development methodologies, and problem-solving approaches.
- 3. Reflection and improvement:** While documenting, you may reflect on your project's strengths and weaknesses, areas of improvement, and lessons learned during the development process. This reflection can help you grow as a developer and make future projects even better.
- 4. Demonstration and experience:** Through documentation, you can demonstrate your experience in working on a real-world project. This is especially valuable if you are seeking employment or internships, as it shows that you can apply your knowledge to practical projects.
- 5. Community contribution:** Sharing your project and its documentation can contribute to the developer community by providing insights, solutions, or inspiration for others who might be working on similar projects.

CHAPTER – 2

LITERATURE SURVEY

Prior to beginning work on the personal portfolio project, a literature review was undertaken to acquire information about best practices, design trends, and technologies typically used in portfolio websites. The investigation of articles, blogs, and current portfolio websites of professionals from various professions was part of the survey. The following are the key conclusions from the literature review:

2.1 Existing a problem

Consider the following possibilities when explaining the current problem that prompted the establishment of a portfolio website:

- ✦ **Lack of visibility:** The individual or firm may have struggled to obtain awareness for their work prior to having a portfolio website. Potential clients or employers may not have been aware of the scope and quality of their work if they did not have a centralized platform to display their projects and successes.
- ✦ **Limited reach:** Without an internet presence, the individual or organization may have had difficulty reaching a larger audience. Traditional ways of sharing a physical portfolio or depending on word of mouth may not have been effective in reaching people outside of their immediate network.
- ✦ **Professional credibility:** Building credibility and establishing a professional image can be challenging

without a portfolio website. Trust and confidence in one's capabilities are crucial factors when trying to attract clients or secure employment opportunities, and a well-designed website can enhance that perception.

- + **Disorganized presentation:** Perhaps there was a problem of disorganization when showcasing their work through different channels such as social media, email attachments, or printed materials. A portfolio website provides a structured and easily navigable platform to present their work in a cohesive manner.
- + **Difficulty and demonstrating skills:** Without a dedicated space to showcase their projects and skills, potential clients or employers might not have been able to assess the individual's capabilities comprehensively. A portfolio website can offer detailed case studies, testimonials, and explanations, making it easier to demonstrate expertise.

2.2 proposed solution

- o **Portfolio showcase:** This section will be the heart of the website, displaying a selection of the persons or company's best projects and works. Each project should have a brief description, high quality images, and possibly links to live versions or additional details. Consider organizing the portfolio in A portfolio website is a digital platform that showcases a person's or a company's work, skills, accomplishments, and projects. It serves as a central hub to present their expertise and talents to potential clients, employers, or collaborators. The purpose of a portfolio website is to make a strong first impression, demonstrate credibility, and provide evidence of past successes or capabilities.

- **Clear purpose and target audience:** Define a clear purpose for the portfolio website, whether it's to attract potential clients, showcase work to potential employers, or collaborate with other professionals. Understand the target audience and tailor the content and design to cater to their interests and needs.
- **Design and layout:** The website's design should be clean, modern, and visually appealing. Use a consistent colour scheme and typography to maintain a professional look. Ensure that the layout is user-friendly, with easy navigation and intuitive organization.
- **Home page:** The homepage should make a strong impression and provide a brief overview of the individual or company's main strengths and areas of expertise. It can include a captivating introduction, a professional profile picture, and a call-to-action to encourage visitors to explore further. categories for easier navigation.
- **About me/us page:** Offer a detailed and personable 'About Me' (for individuals) or 'About Us' (for companies) page. This should include background information, qualifications, experience, and any other relevant details that add credibility and build trust.
- **Testimonials and reviews:** Incorporate testimonials from previous clients, employers, or colleagues to showcase positive feedback and build trust with visitors. Include their names and affiliations (with their consent) to add authenticity.
- **Contact information:** Make it easy for visitors to get in touch. Provide contact information such as an email address or contact form. Consider adding links to social media profiles and professional networking sites.

CHAPTER - 3

THEORETICAL ANALYSIS

Portfolio page: This section will showcase the owner's projects, with each project presented in a visually appealing manner. It will include project descriptions, images, and possibly links to live demos or Git Hub repositories.

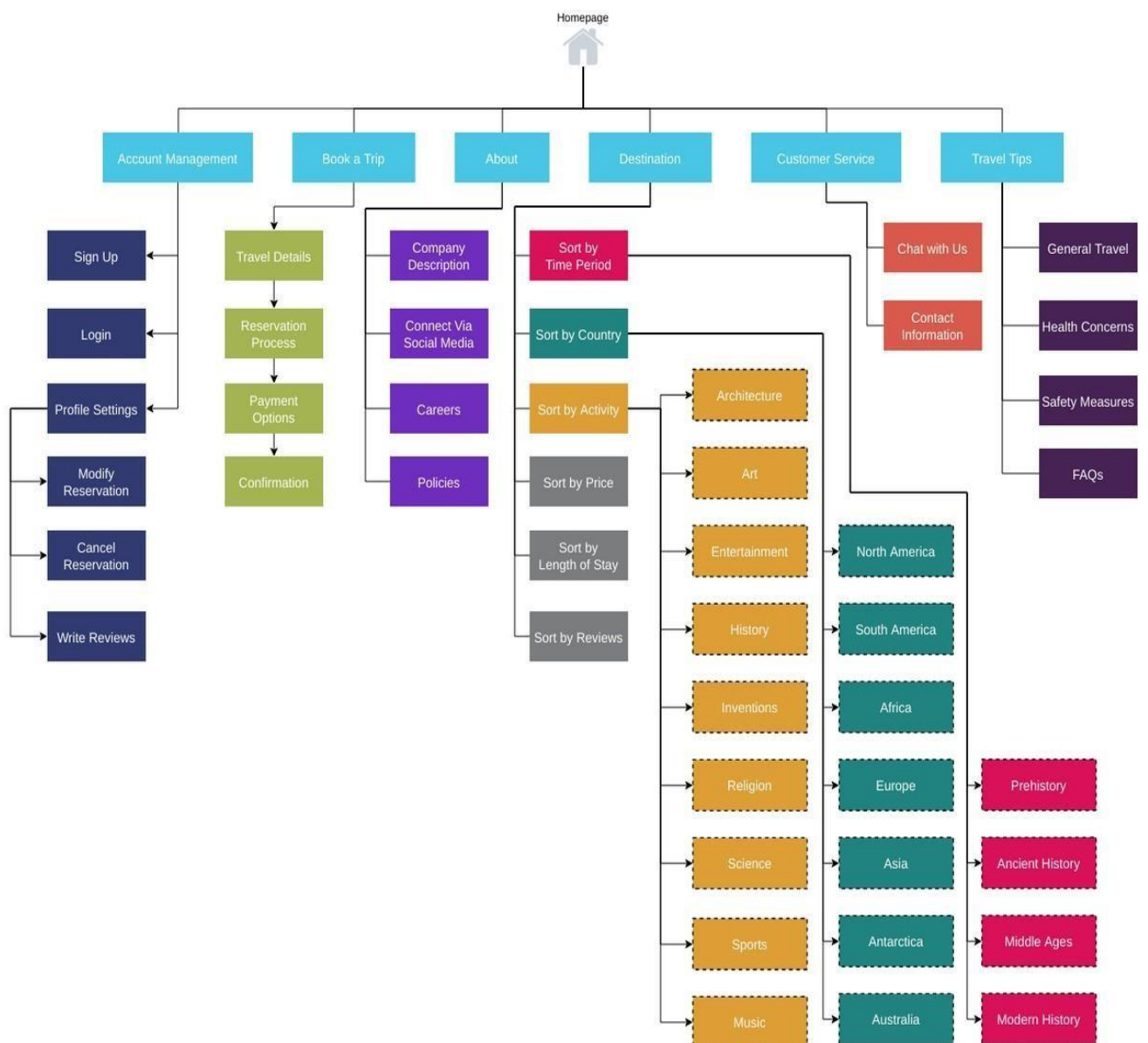
About page: The about page will provide more detailed information about the portfolio owner, including their background, education, work experience, and skills.

Contact page: The contact page will contain a contact form or display the portfolio owner's email address. It may also include links to their social media profiles and other relevant contact information.

Resume/CV page: Optionally, a downloadable version of the portfolio owner's resume or CV can be provided for interested parties.

3.1 BLOCKDIAGRAM:

Diagrammatic overview of the project.







3.2 Hardware and Software designing:

Hardware and software requirements of the project.

Designing a portfolio website requires a combination of hardware. Let's break down the process into two parts: hardware requirements.

Hardware Requirements:

The hardware you'll need for designing a portfolio website is relatively standard and can be found in most modern computers. Here are the essential hardware components:

-  **Computer:** A reliable and modern computer or laptop is essential. Ensure it has sufficient processing power, RAM, and storage to run web development software smoothly.
-  **Monitor:** An additional monitor or a larger screen can enhance your productivity, allowing you to see your code and design layout simultaneously.
-  **Input Devices:** A keyboard and a mouse (or track pad) are essential for web development.
-  **Internet Connection:** A stable and fast internet connection is crucial for accessing online resources, libraries, and hosting the website during development and deployment.

SOFTWARE USED:

Code Editor:

I used for this project is visual studio Code. It is used to code complex piece of programs and to develop complex projects. Further technologies I used for this project are HTMLS, CSS (style) and java script.

HTML :

It is the code for creating web pages, using tags and other commands that a browser reads and converts into the normal web pages that people see.

CSS (style):

CSS is the language for describing the presentation Web pages, including colours, layout, and fonts.

Java script:

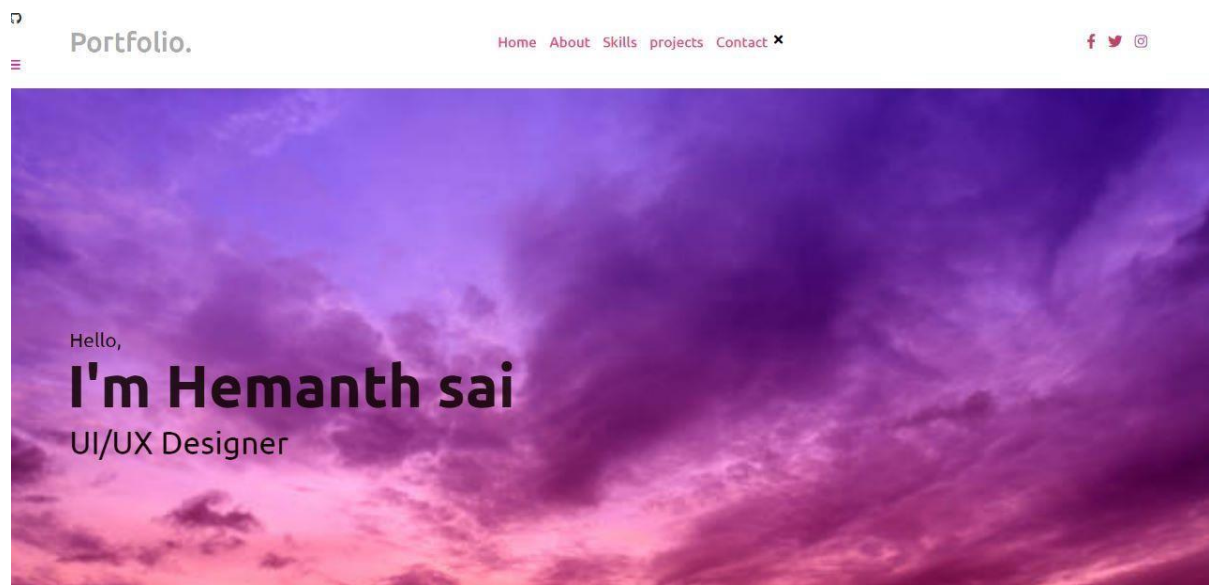
JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. It gives web pages interactive elements that engage a user.

CHAPTER - 4

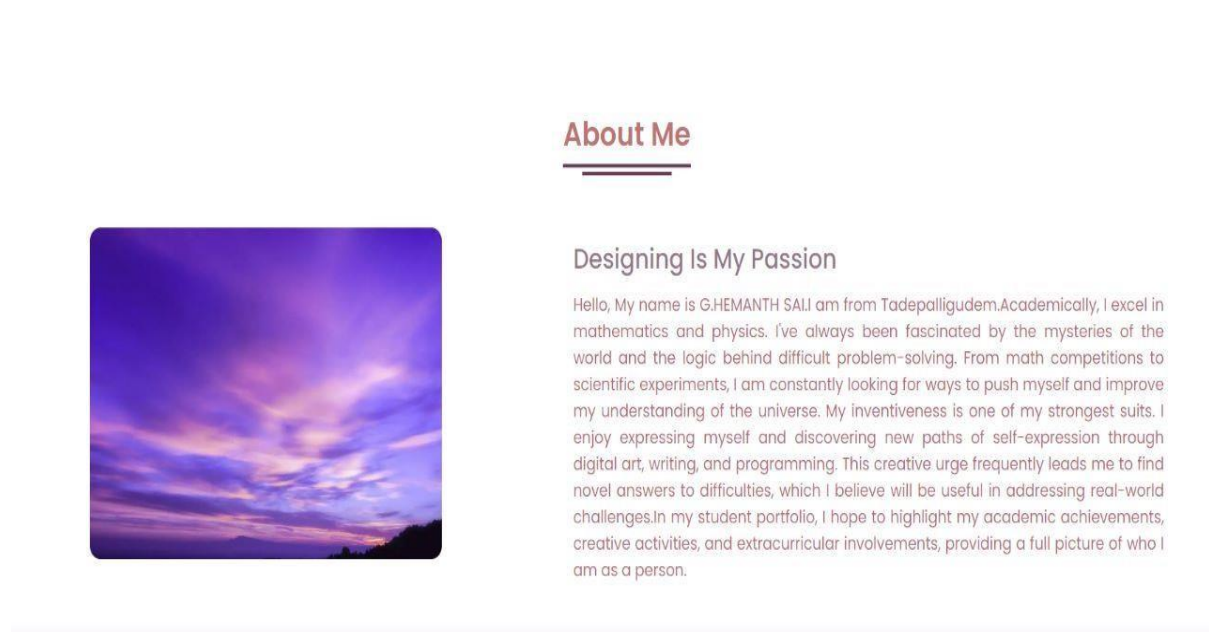
RESULT

4.1 Final finding (output) of the project with screenshots

HOME SECTION:



About section:



My Skills

Skills Reflects Our Knowledge



A skill is the learned ability to act with determined results with good execution often within a given amount of time, energy, or both. Skills can often be divided into domain-general and domain-specific skills.

FrontEnd



- Languages: HTML, CSS, JavaScript
- Frameworks/Libraries: Angular, React, Bootstrap
- Tools/Functionalities: React Query

BackEnd



- Language: Php
- Database: SQL (Entity Framework)
- API: Queries, Validations

HTML

CSS


90% 80%

JavaScript

70%


Project section:

projects




personal technical portfolio

A portfolio is a living and changing collection of records that reflect your accomplishments, skills, experiences, and attributes. It highlights and showcases samples of some of your best work, along with life experiences, values and achievements.




community service project

Community Service Project is an experiential learning strategy that integrates meaningful community service with instruction, participation, learning and community development.




Aws cloud computing

Amazon Web Services (AWS) is the world's most comprehensive and broadly adopted cloud that includes infrastructure as a service (IaaS) and platform as a service (PaaS) offerings. AWS services offer scalable solutions for compute, storage, databases, analytics, and more.




Icon Design

Icon design is the process of designing a graphic symbol that represents some real, fantasy or abstract motive, entity or action. In



Photography

Photography is the art, application, and practice of creating images by recording light, either electronically by means of an



Apps Development

Mobile application development is the process of making software for smartphones, tablets and digital assistants. Most

Contact section:

Contact Me

Get In Touch



Address

4-164-16/6, Ganesh nagar, 1st ward, Venkatarao mastaru Veedhi Tadepalligudem, West Godavari



Phone

+91 9346524477

Email

nameishemanthsai@gmail.com

Created By Hemanth | © 2023 All Rights Reserved

CHAPTER-5

ADVANTAGES AND DISADVANTAGES:

5.1 List of advantages and disadvantages of the proposed solution.

Showcase your work: A portfolio website allows you to display your best work, projects, and accomplishments in an organized and visually appealing manner. This can help you impress potential clients, employers, or collaborators.

ADVANTAGES:

- ✓ **Professional online presence:** Having a portfolio website adds to your professional image and credibility. It demonstrates that you take your work seriously and are willing to invest time and effort in presenting yourself professionally.
- ✓ **Reach a global audience:** Unlike physical portfolios, a website can be accessed from anywhere in the world. This expands your potential reach to a global audience, increasing opportunities for networking and collaboration.
- ✓ **Easy to update and maintain:** With the right platform and tools, it is relatively easy to update and maintain your portfolio website. You can add new work, update information, and keep it relevant without much hassle.
- ✓ **Personal branding:** A well-designed portfolio website allows you to create a personal brand and tell your story effectively. It lets you shape the narrative around your work and establish a unique identity in your field.

- ✓ **Analytics and insights:** Many portfolio website platforms offer analytics that provide valuable insights into your website's performance. You can track visitor behaviour, popular content, and other metrics to understand how to improve your presentation.

DISADVANTAGES:

- ❖ **Initial setup and maintenance:** Building a portfolio website requires some technical skills and time investment, especially if you want to create a custom site. Additionally, maintaining and updating the website can be an ongoing task.
- ❖ **Cost:** While there are free platforms available, you might opt for paid services or custom domain names for a more professional look. These expenses can add up, especially if you need advanced features or additional storage.
- ❖ **Visibility and marketing:** Simply having a portfolio website doesn't guarantee visibility. You'll need to actively promote your website through social media, networking, and other channels to reach a wider audience.
- ❖ **Competitive nature:** With the ease of creating portfolio websites, the competition in certain industries can be fierce. You'll need to ensure that your website stands out from the crowd and effectively communicates your unique value.

CHAPTER-6

APPLICATIONS

6.1 The areas where the solution can be applied.

- **Freelancing and client acquisition:** Freelancers can use a portfolio website to exhibit their previous work and demonstrate their expertise to attract potential clients. This gives clients an understanding of the freelancer's capabilities and style, increasing the chances of getting hired.
- **Personal branding:** For professionals and entrepreneurs, a portfolio website becomes a central platform to build their personal brand. It allows them to share their achievements, experiences, and values, creating a positive and lasting impression on visitors.
- **Creative professionals:** Artists, photographers, designers, writers, and musicians can showcase their work, allowing potential buyers, agents, or publishers to discover and connect with them.
- **Networking and collaboration:** A portfolio website is an excellent way to connect with likeminded individuals in the industry. It enables collaborations with other professionals, opening up new opportunities and expanding your network.
- **Academic purposes:** Students, researchers, and educators can use a portfolio website to showcase their academic achievements, research projects, publications, and teaching experiences. This is particularly useful for those in academia seeking academic positions or grants.

-
- **Personal projects:** Whether you're a hobbyist or a passionate individual working on side projects, a portfolio website can be a platform to document and share your creative endeavours with the world.
 - **Testimonials and recommendations:** A portfolio website allows you to display testimonials and recommendations from satisfied clients, employers, or colleagues, which can build trust and credibility for your work.
 - **Skill development:** As you continue to work on new projects and improve your skills, updating your portfolio website regularly helps demonstrate your growth and dedication to your craft.
-

CHAPTER-7

CONCLUSION

7.1 Conclusion summarizing the entire work and findings.

As I conclude this portfolio, I am reminded of the incredible journey each project represents. From crafting elegant code to constructing intuitive user interfaces, each endeavour has been a stepping stone toward my growth as a technical professional. These projects have not only deepened my expertise in areas such as machine learning and software development but have also fostered resilience in the face of complexity. With a relentless pursuit of excellence, I am eager to leverage these experiences to contribute meaningfully to innovative ventures and collaborative teams.

In retrospect, this portfolio stands as a testament to my passion for harnessing technology to solve real-world challenges. Through meticulous research, rigorous testing, and iterative design, I've successfully brought these projects to fruition. The process has not only reinforced my technical proficiency but has also underscored the importance of adaptability and continuous learning. Armed with a diverse skill set and a thirst for exploration, I am enthusiastic about the possibilities that lie ahead and am eager to engage in projects that push the envelope of innovation.

CHAPTER-8

FUTURE SCOPE

8.1 Enhancements made of future scope

While the initial personal portfolio project has been completed successfully, there are several potential enhancements for the future:

- **Expanded Project Showcase:** Continually update the portfolio with new projects and works as they are completed to maintain relevance and demonstrate growth.
- **Blog Section:** Add a blog section to share insights, tutorials, or updates related to my field of expertise, further showcasing my knowledge.
- **Client Testimonials:** Incorporate testimonials or feedback from clients or colleagues to build credibility and trust.
- **Multilingual Support:** Consider adding multilingual support to cater to a wider audience, especially if there's a global target audience.
- **Accessibility Improvements:** Ensure the website complies with accessibility standards, making it inclusive for all users.
- **Performance Optimization:** Implement performance optimization techniques to improve page load times and overall site speed.