

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI 590018, Karnataka

INTERNSHIP REPORT

ON

“Photography Portfolio[0509010]”

Submitted in partial fulfillment for the award of degree (18CSI85)

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE ENGINEERING

Submitted by:

NAME: MAYURI S

USN : 1SJ20CS085



**Conducted at
Varcons Technologies Pvt Ltd**



S J C INSTITUTE OF TECHNOLOGY

Department of Computer Science Engineering

**VTU Affiliated, AICTE Approved, Accredited by NBA(CSE,ISE,ECE,ME,CV,AE) & NAAC
with A+ grade, NIRF (151 - 300), Gold rated by QS I-Gauge
Chickballapur- 562101, Karnataka, India**

S J C INSTITUTE OF TECHNOLOGY
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Chickballapur- 562101, Karnataka, India



CERTIFICATE

This is to certify that the Internship titled “**Photography Portfolio**” carried out by **Miss.MAYURI S**, a bonafide student of SJC Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **Computer Science Engineering** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship/Professional Practice (18CSI85)

Signature of Guide

Signature of HOD

Signature of Principal

External Viva:

Name of the Examiner

Signature with Date

1) _____

2) _____

DECLARATION

I, **Mayuri S**, final year student of Computer Science Engineering , S J C INSTITUTE OF TECHNOLOGY declare that the Internship has been successfully completed , in **VARCONS TECHNOLOGIES PVT LTD**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Branch name, during the academic year 2022-2023.

Date: 20-09-2023

:

Place :BANGALORE

USN: 1SJ20CS085

NAME:Mayuri S

OFFER LETTER PROVIDED BY THE COMPANY



Date: 11th August, 2023

Name: Mayuri S

USN: 1SJ20CS085

Placement ID: 1408AUGB3094

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Varcons Technologies**, effective Start Date **11th August, 2023**. All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Spoorthi H C

Director

VARCONS TECHNOLOGIES

213, 2nd Floor, 18 M G Road, Ulsoor,

Bangalore-560001

ACKNOWLEDGEMENT

This Internship is a result of accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We express our sincere thanks to our Principal, for providing us adequate facilities to undertake this Internship.

We would like to thank our Head of Dept – branch code, for providing us an opportunity to carry out Internship and for his valuable guidance and support

We would like to thank our (Lab assistant name) Software Services for guiding us during the period of internship.

We express our deep and profound gratitude to our guide, Guide name, Assistant/Associate Prof, for her keen interest and encouragement at every step in completing the Internship.

We would like to thank all the faculty members of our department for the support extended during the course of Internship. We would like to thank the non-teaching members of our dept, for helping us during the Internship.

Last but not the least, we would like to thank our parents and friends without whose constant help, the completion of Internship would have not been possible.

NAME: Mayuri S
USN: 1SJ20CS085

ABSTRACT

The photography portfolio website template is designed to cater to photographers, providing an elegant platform for showcasing their work while prioritizing visual storytelling. Key features include user-friendly image galleries with slideshow options, optimized image loading for a seamless browsing experience, and a user-friendly content management system tailored for photographers. Additionally, the template includes dedicated sections for photographer bios and clear contact options, enhancing accessibility for potential clients and viewers. To ensure success, the development process also encompasses considerations such as responsive design, search engine optimization, performance optimization, security measures, and user feedback mechanisms. This comprehensive approach aims to create a versatile and effective digital portfolio solution for photographers.

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CHAPTER 1

COMPANY PROFIE

1. COMPANY PROFILE

A Brief History of Varcons Technologies

Varcons Technologies, was incorporated with a goal "To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on clients requirements and provide them with tailor made technological solutions. They also understand that Reach of their Product to its targeted market or the automation of the existing process into a client and simple process are the key features that our clients desire from Technological Solution they are looking for and these are the features that we focus on while designing the solutions for their clients.

Varcons Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever increasing automation requirements, Sarvamoola Software Services specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements.

Varcons Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Varcons Technologies work with their clients and help them to define their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the brainstorming session, and here they position themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achieve new heights of success. It helps Improve its efficiency, profitability, reliability; to put it in one sentence "Technology helps you to Delight your Customers" and that is what we want to achieve.

CHAPTER 2

ABOUT THE COMPANY

2. ABOUT THE COMPANY

Varcons Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever increasing automation requirements, Varcons Technologies specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements. The organization where they have a right mix of professionals as stakeholders to help us serve our clients with best of our capability and with at par industry standards. They have young, enthusiastic, passionate and creative Professionals to develop technological innovations in the field of Mobile technologies, Web applications as well as Business and Enterprise solution. Motto of our organization is to “Collaborate with our clients to provide them with best Technological solution hence creating Good Present and Better Future for our client which will bring a cascading a positive effect in their business shape as well”. Providing a Complete suite of technical solutions is not just our tag line, it is Our Vision for Our Clients and for Us, We strive hard to achieve it.

Products of Company

AndroidApps

It is the process by which new applications are created for devices running the Androidoperating system. Applications are usually developed in Java (and/or Kotlin; or other suchoption) programming language using the Android software development kit (SDK), but otherdevelopment environments are also available, some such as Kotlin support the exact sameAndroidAPIs(and bytecode),whileotherssuchasGohave restricted APIaccess.

The Android software development kit includes a comprehensive set of development tools.These include a debugger, libraries, a handset emulator based on QEMU, documentation,sample code, and zutorials. Currently supported development platforms include computersrunning Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, andWindows 7 or later. As of March 2015, the SDK is not available on Android itself, butsoftwaredevelopmentis possible by using specializedAndroidapplications.

Web Application

It is a client–server computer program in which the client (including the user interface andclient- sidelogic) runsina webbrowser.Commonwebapplications includewebmail,online

retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript, which are supported by a variety of web browsers. Web applications can be considered as a specific variant of client-server software where the client software is downloaded to the client machine when visiting the relevant web page, using standard procedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, and acts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specified use case. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program. Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a “smart” client that performs all the work and queries a “dumb” server, or a “dumb” client that relies on a “smart” server. The client would handle the presentation tier, the server would have the database (storage tier), and the business logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn’t allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry. Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run. Web design It encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and.

search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating markup then they are also expected to be up to date with web accessibility guidelines. Web design partially overlaps web engineering in the broader scope of web development.

Departments and services offered

Varcons technologies plays an essential role as an institute, the level of education, development of student's skills are based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Compsoft Technologies gives you the facility of skilled employees so that you do not feel unsecured about the academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Compsoft Technologies always tries to give you the best. They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skill development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

Services provided by the Company

- CoreJava and Advanced Java
- Web services and development
- Dot NetFramework
- Python
- SeleniumTesting
- Conference /EventManagement Service
- AcademicProjectGuidance
- OnTheJob Training
- Software Training

CHAPTER 3

INTRODUCTION

3. INTRODUCTION

Introduction to WebApps

Web applications are similar to the traditional applications you'd install on your Information, such as Microsoft Office. They are able to perform the same kinds of tasks, they look the same and they feel the same but there is one key difference - the application itself is not installed on your phone or Information, but lives in the cloud. Web apps are not new, but it used to be that they were often unable to compete with more traditional applications for business critical functions or where rich user interaction was required. This is no longer the case. With the power of modern web technologies, we are able to design and build performing, secure, and feature rich applications that live in the cloud and bring with them a huge number of benefits

1. They can be accessed from anywhere.

- Because web applications are built with web technologies and they run in a web browser Internet Explorer, Google Chrome, Mozilla Firefox – this allows them to be accessed from every web enabled tool. As long as you have an internet connection you can use them.
- It allows for remote working, it allows for rapid publishing of content, it allows for realtime collaboration between teams. If you have web access, you have the ability to access your business tools.

2. They are cost effective.

- Web applications are cheaper to produce and maintain than traditional applications. No matter how many platforms your business uses (Mac, Linux, Windows) web application build can be used across them all.

3. They benefit from more rapid update cycles.

- A huge benefit of web applications is that when an update is released, all of your users are immediately using that version. This doesn't happen with installed applications, especially in large organizations with IT policies that restrict administrator access.

4. They are secure.

- Web developers have had to become experts in security – the web is a platform designed to share everything with everyone! As such, the types and levels of security included in web applications are often far greater than those seen in traditional applications.

They also benefit from the ability to launch updates in real-time – the application on the servers is the application people are using. The applications on people's laptops however is the version last installed. And when those laptops get left on a train it's not a concern, as nothing is stored locally.

5. They enable more computing with fewer Information.

- Web applications push all of the hard work to the servers, and act as intermediaries between the user interface and the calculations happening behind the scenes. This means you can accomplish terrifyingly complex work on a tablet, or your phone.
- We've built web applications that allow people to understand the complex relationships between 250,000 pieces of art on their phones, and applications that run the business systems of one of the largest solar energy providers in the world. Often these products are not financially viable to build using traditional application processes.

Problem Statement as mentioned in the proposal

Photography Portfolio

Description: Aimed at photographers, this template should present photography portfolios with image galleries, photographer bios, and a clear contact option. The design should enhance visual storytelling, - Tips for Development: Implement a user-friendly image gallery with slideshow options.

Optimize image loading for a seamless browsing experience. Include a user-friendly content management system for photographers.

CHAPTER 4

SYSTEM ANALYSIS

4.SYSTEM ANALYSIS

A system analysis for the photography portfolio website template (Code: 0509010) involves breaking down the project into its essential components, understanding its goals and requirements, and identifying the processes and technologies needed to bring it to fruition. Here's a systematic analysis of the project:

Purpose and Objectives:

The primary purpose is to provide photographers with a visually appealing and user-friendly platform to showcase their work, connect with potential clients, and manage their portfolios effectively.

Objectives include creating a responsive website, optimizing image loading, offering a content management system, and ensuring a seamless user experience.

Stakeholders:

Photographers: The primary users who will upload and manage their portfolios.

Viewers and Potential Clients: Those who will browse the portfolios and contact photographers.

Website Developers and Administrators: Responsible for building, maintaining, and updating the website

CHAPTER 5

REQUIREMENT ANALYSS

5.REQUIREMENT ANALYSIS

Hardware Requirement Specification

- NODE JS
- Notepad++Editor
- Processor:Intelcorei5 processor
- Memory:15.6 GB
- Hard Disk:40 GB

Software Requirement Specification

A] Functional Requirements

- Image Gallery: Develop a gallery with features like image upload, categorization, lightbox view, and slideshow functionality.
- Photographer Bios: Allow photographers to create and edit their bios, including contact information and social media links.
- Contact Option: Implement a contact form or button for viewers to reach out to photographers.
- Content Management System (CMS): Create a user-friendly CMS for photographers to manage their portfolios, including image uploads and bio updates.

B] Non-Functional Requirements

- **Performance**: The website should load quickly, with image galleries optimized for fast loading times to provide a seamless browsing experience.
- **Scalability**: The website should be capable of handling increasing traffic and a growing portfolio without a significant drop in performance.
- **Security**: Implement robust security measures to protect user data and the website from cyber threats and attacks.
- **Accessibility**: Ensure the website is accessible to users with disabilities

CHAPTER 6

DESIGN ANALYSIS

6. DESIGN&ANALYSIS

Design:*

- Clean and minimalistic design with a focus on showcasing photographs.
- Responsive layout for all devices.
- High-resolution images for a professional look.
- User-friendly image galleries with thumbnails, lightbox view, and slideshow options.
- Photographer bios section with contact information.
- Contact button or form for viewer interaction.
- User-friendly Content Management System (CMS) for photographers.
- Image optimization for fast loading using compression and lazy loading.
- SEO optimization for search engine visibility.
- Security measures including SSL certificates.
- Analytics tools for performance tracking.
- Feedback mechanisms for user engagement.
- Cross-browser and cross-device compatibility.
- Ongoing maintenance plan.

Analysis:

- Assess existing features, user feedback, and usage data.
- Evaluate website performance, responsiveness, and user experience.
- Analyze the effectiveness of the current CMS for content management.
- Examine image optimization and loading techniques.
- Review SEO practices and search engine visibility.
- Evaluate security measures and potential vulnerabilities.
- Assess UI/UX design and visual appeal.
- Analyze maintenance processes and resource allocation.
- Identify strengths and weaknesses of the existing system.
- Provide recommendations for system enhancements based on the analysis.

CHAPTER 7

IMPLEMENTATION

7. IMPLEMENTATION

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively. The system can be implemented only after thorough testing is done and if it is found to work according to the specification. It involves careful planning, investigation of the current system and its constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods as a part from planning. Two major tasks of preparing the implementation are education and training of the users and testing of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required just for implementation. The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

TESTING

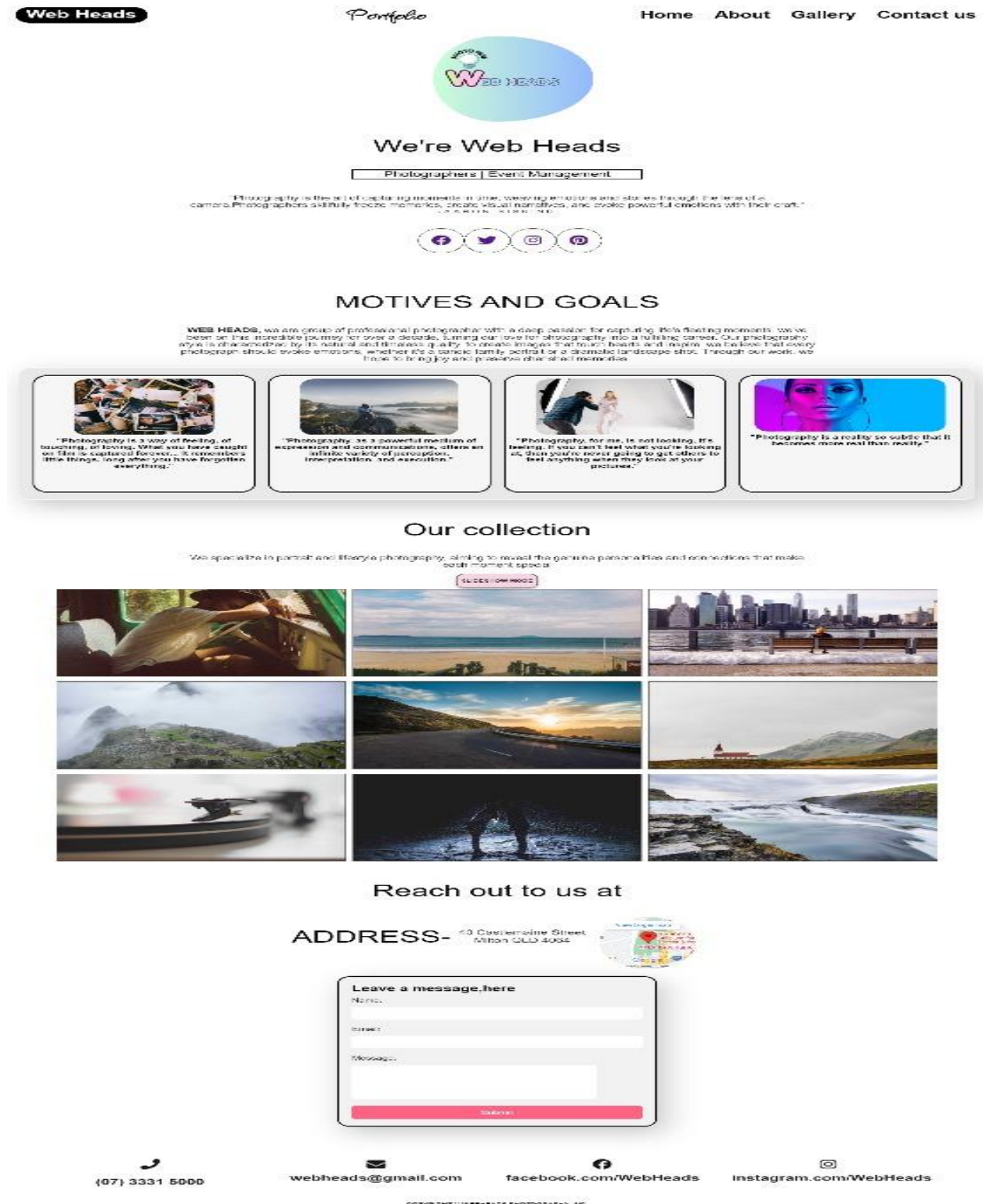
The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing is carried out in three steps:

1. The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether the objectives have been met. Errors are noted down and corrected immediately.
2. Unit testing is the important and major part of the project. So errors are rectified easily in particular module and program clarity is increased. In this project entire system is divided into several modules and is developed individually. So unit testing is conducted to individual modules.
3. The second step includes Integration testing. It need not be the case, the software whose modules when run individually and showing perfect results, will also show perfect results when run as a whole

CHAPTER 8

SNAPSHOTS

8. SNAPSHOTS

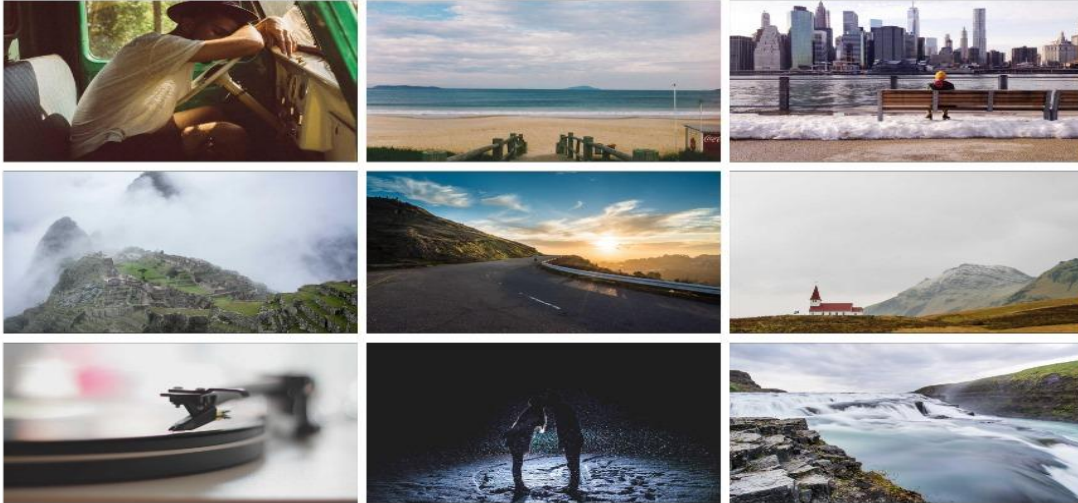




Our collection

We specialize in portrait and lifestyle photography, aiming to reveal the genuine personalities and connections that make each moment special

SLIDESHOW MODE



Reach out to us at

ADDRESS- 40 Castlemaine Street
Milton QLD 4064



Leave a message,here

Name:

Email:

Message:

Submit



(07) 3331 5000



webheads@gmail.com



facebook.com/WebHeads



instagram.com/WebHeads

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We're Web Heads

Photographers | Event Management

"Photography is the art of capturing moments in time, weaving emotions and stories through the lens of a camera. Photographers skillfully freeze memories, create visual narratives, and evoke powerful emotions with their craft."
- AARON SISKIND



MOTIVES AND GOALS

WEB HEADS, we are group of professional photographer with a deep passion for capturing life's fleeting moments. we've been on this incredible journey for over a decade, turning our love for photography into a fulfilling career. Our photography style is characterized by its natural and timeless quality. to create images that touch hearts and inspire. we believe that every photograph should evoke emotions, whether it's a candid family portrait or a dramatic landscape shot. Through our work, we hope to bring joy and preserve cherished memories.



"Photography is a way of feeling, of touching, of loving. What you have caught on film is captured forever... It remembers little things, long after you have forgotten everything."



"Photography, as a powerful medium of expression and communications, offers an infinite variety of perception, interpretation, and execution."



"Photography, for me, is not looking, it's feeling. If you can't feel what you're looking at, then you're never going to get others to feel anything when they look at your pictures."



"Photography is a reality so subtle that it becomes more real than reality."

CHAPTER 9

CONCLUSION

9. CONCLUSION

In conclusion, the Photography Portfolio Website Template offers a promising platform for photographers to showcase their work and connect with potential clients. Through a clean and responsive design, user-friendly image galleries, photographer bios, and effective contact options, the template facilitates visual storytelling and engagement.

Optimizing image loading, implementing a user-friendly content management system, and addressing SEO and security concerns are critical steps to enhance the website's performance and user experience. Additionally, ongoing maintenance and support are vital to ensure the template's long-term success.

By continually analyzing user feedback and usage data and staying attuned to industry trends, this project can evolve to remain a valuable tool for photographers and a visually appealing platform for viewers.

10. REFERENCES

GIT HUB: https://github.com/Kiranks200/test_portfolio.git

FIGMA: <https://www.figma.com/file/6V6zfm25zn0Md9UKr48ULo/portfolio?type=design&node-id=0%3A1&mode=design&t=HvPgVAWP1MRPHpjz-1>

YOUTUBE: <https://www.youtube.com/watch?v=fFHyOjLdhuQ&pp=ygUmcGhvdG9ncmFwaHkgcG9ydGZvbGlvIHdlYnNpdGUgaHRtbCBjc3M%3D>