Pune Vidyarthi Griha's College of Engineering and Technology & G.K. Pate (Wani) Institute of Management,

Pune-411009.

(Affiliated to Savitribai Phule Pune University)



Since 1909

A Internship Report On "Full Stack Web Development: Truestars.com"

By

Karpe Suyog Avinash

T190074235

Under the Guidance of

Prof.U.M.Kalshetti

Department Of Computer Engineering Academic Year: - 2022-2023

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Since 1909 CERTIFICATE

This is to certify that the internship report entitled 'Full Stack Web Development: Truestars.com', submitted by Karpe Suyog Avinsh,T190074235 Is a record of bonafide work carried out by him, in the partial fulfillment of the Term-work of Presentation and Term-work of Third year in computer Engineering of Savitribai Phule Pune University at Pune Vidyarthi Griha's College of Engineering and Technology & G.K. Pate (Wani) Institute of Management, Pune under Savitribai Phule Pune University, Pune. This work is done during academic year 2022-2023.

Date: -

Place: - Pune

Prof U.M.Kalshetti Prof M.V.Marathe

Internal Examiner External Examiner

I. INTERNSHIP COMPLETION CERTIFICATE



II. LETTER OF UNDERTAKING

I,Karpe Suyog Avinash, third year student of Computer Engineering Department, PVG COET AND GKP (W) IOM Pune-9 hereby confirm that the internship report I have provided is solely my own effort. I did not copy my reprot partially or completely from any other student or from any other source either against payment or free and I did not provide any plagiarized material in any section of my report. I further confirm that the document (Internship completion certificate) that I have provided is genuine (i.e, not forge/fake) and has been issued by the authorized person in the organization if I am found guilty of misstating, misleading or concealing the facts about my activities (ether academic or non-academic but relevant to this course) at any stage the university is authorized to take disciplinary action against me according to university policies and regulations. I sure that I will follow the instructions regarding presentation and will appear on the scheduled date for presentation which will be intimated to me by the department in case of any negligence, I shall be held responsible

Name: Karpe Suyog Avinash

Date:

III.OVERVIEW OF ORGANISATION

UNIQUE System Skills LLC (USS LLC) is an IT Recruiting, Training, and Consulting Company which was founded in 2008 by Mr. Santosh Salvi. The company has corporate offices in Nashua NH, USA, and Woburn MA, USA. USS LLC currently works with several fortune 500 companies worldwide with 22 clients in the United States, 35 clients in India, and 2 clients in the United Arab Emirates. Our company is committed to maintaining a culture of integrity, diversity, and ethics throughout our organization and our associated partners.

1.Contact Details Contact person name: Mr.Rahul Ingle Email:rahul.ingle@systemskills.net

2.Company Address:

Pate Icon Building, B-Wing, Paud Rd, behind Chandu Kaka Saraf, Maha ganesh Colony, Kothrud, Pune, Maharashtra 411038

3. Company URL:

https://www.systemskills.com/

IV. ACKNOWLEDGEMENT

I would like to express my sincere thanks to all the staff of Pune Vidyarthi Griha's College of Engineering and Technology G.K. Pate (Wani) Institute of Management for their support and encouragement during my internship program. I would also like to express my gratitude to my internship guide, Professor U.M.Kalshetti Ma'am and Professor M.V.Marathe Ma'am for their invaluable guidance and support throughout my internship journey. Their continuous encouragement, insightful advice, and expertise in the field have been instrumental in my growth and development as a professional. Furthermore, I am deeply grateful to Mr.Rahul Ingle of Unique system skills for providing me with the opportunity to work as a Web developer during my internship. The handson experience in software development, along with the guidance and support from my mentor, have been invaluable in enhancing my skills and knowledge in the field. Finally, I would like to express my sincere gratitude to all those who have contributed to my successful completion of the internship program. Your support and encouragement have been greatly appreciated.

Karpe Suyog Avinash

T190074235

V. ABSTRACT

Web development internship is an opportunity for students or aspiring professionals to gain practical experience and skills in creating and maintaining websites. The web development internship provided me with practical experience and skills in building and maintaining websites. During the internship, I worked alongside experienced developers and designers to learn how to create responsive, user-friendly websites that meet the needs of clients and users. Throughout the internship, I gained hands-on experience using a variety of programming languages, such as HTML, CSS, and Php, as well as popular frameworks and libraries such as Bootstrap, MySql. I also learned how to use version control systems like Git to collaborate on projects with other developers.. In addition to technical skills, the internship helped me develop soft skills such as communication, teamwork, and project management.

I worked on individual and team projects, and was responsible for meeting project deadlines and providing progress updates to team members and clients. Overall, the web development internship was a valuable experience that provided me with the skills and knowledge necessary to succeed in a career as a web developer. I gained exposure to different types of clients and industries, and had the opportunity to attend training sessions and industry events to learn about the latest trends and technologies in web development. I look forward to applying the skills and knowledge gained during the internship to future web development projects.

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1. INTRODUCTION

The Truestars.com project is a Full stack web application that was developed as part of an internship program at Unique System Skills, a leading software development company. The project focuses on the development of the backend, use of the JAVA, servlets,php, MySql database, and industry-level design patterns with the use of css and bootstrap. The objective of the project was to create a robust and efficient,central website that would allow users to explore the forts around Maharashtra. The system employs login method, Sign in method to interact with the MYSQL database, and it emphasizes the use of servlets to handle user requests and connect them with the database. The contact form provided connects the user directly to the organisation. The internship program at Unique System skills provided the intern with an opportunity to work on a real-world project and gain hands-on experience with industry-standard technologies.

2.TITLE



Truestars.com: Luxury and Tranquility.

3.PROBLEM STATEMENT

To create a full stack, interactive, responsive, dynamic, central website for booking a 5-star hotel from our website created from using HTML, CSS, JavaScript, php, MySql database.

4.OBJECTIVES

- 1. Understand the client requirements.
- 2. Conceptualize the requirements into workable applications.
- 3. Segregate the task/work into singular modules.
- 4. Design and develop use friendly UI.
- 5. To work in agile development model.
- 6. To complete the models in given time frame.

5.MOTIVATION AND RATIONALE STUDY

5.1 MOTIVATION

There are several motivations for developing a 5-star hotel website for Pune city. Here are a few key reasons:

- Growing Hospitality Industry: Pune has witnessed a significant growth in the hospitality industry in recent years. The city attracts a large number of business travelers, tourists, and expatriates due to its thriving IT sector, educational institutions, and historical attractions. Developing a 5-star hotel website can tap into this growing market and provide a platform to showcase the luxurious accommodations available in Pune.
- Increase Visibility and Reach: A well-designed and user-friendly website can increase the visibility and reach of 5-star hotels in Pune. By creating an online presence, hotels can reach a wider audience and attract potential customers from different parts of the world. The website can provide detailed information about the hotel's amenities, rooms, dining options, and local attractions, enticing travelers to choose their establishment.
- Seamless Booking Experience: Developing a website with integrated booking functionality can streamline the reservation process for potential guests. Offering a hassle-free online booking experience with secure payment options can attract customers who prefer the convenience of booking a hotel room from anywhere, at any time. The website can also provide real-time availability updates and showcase exclusive offers and packages, encouraging visitors to book directly.
- Showcasing Unique Features and Services: A dedicated website allows 5-star hotels to highlight their unique features, services, and luxurious offerings. They can showcase their premium facilities such as spas, fine dining restaurants, conference and event spaces, rooftop bars, and recreational activities. This helps in creating a strong brand identity and differentiating themselves from other hotels in Pune.
- Customer Engagement and Feedback: A website can serve as a platform for customer engagement, allowing guests to leave reviews, ratings, and feedback about their stay. Positive reviews can enhance the hotel's reputation and attract more customers, while constructive feedback can help in improving the overall guest experience. By actively responding to customer queries and reviews, hotels can build trust and loyalty among their guests.
- Marketing and Promotions: A 5-star hotel website provides a marketing channel to promote special offers, seasonal packages, and exclusive discounts. By implementing effective digital marketing strategies such as search engine optimization (SEO), social media integration, and email marketing, hotels can drive traffic to their website and increase direct bookings, reducing reliance on third-party booking platforms and associated commissions.

Overall, developing a 5-star hotel website for Pune city can provide a competitive edge, increase visibility, streamline bookings, and enhance customer

engagement. It allows hotels to showcase their unique offerings, attract a wider customer base, and establish a strong online presence in the ever-growing hospitality industry.

Servlets, JDBC and php are widely used in web development for their versatility and robustness. PHP, which stands for "Hypertext Preprocessor," is a popular server-side programming language that is widely used to create dynamic web pages and web applications. Key features of php include Server-side scripting, Platform independence, Easy integration with databases. PHP is a versatile and widely used programming language that is an important tool for web developers. Its ease of use, platform independence, and extensive documentation make it a popular choice for creating dynamic web pages and web applications. PHP is an open-source language, which means that it is free to use and can be modified by anyone. It is supported by a large community of developers who contribute to its development and help to improve its features and capabilities.

Using php and JDBC also ensures that the web application is scalable and can handle a large number of concurrent users, as they are designed to work efficiently in a big environment. Additionally, the use of industry-standard technologies such as bootstrap ensures that the application can be easily maintained and updated by developers, as these technologies have a vast community of developers who provide support, updates, and resources.

6.METHODOLOGIES USED

We followed aglie methodology. Agile development methodology is a popular approach to software development that emphasizes flexibility and collaboration. Here are the steps involved in the agile development methodology for creating the Booking System website:

- 1.Planning: The project team meets to determine the scope of the project, identify the features and functionalities to be included in the website, and establish project timelines
- 2.Design: The team creates wireframes, mockups, and prototypes of the website's user interface, layout, and functionality.
- 3.Development: The website's front-end and back-end are developed using HTML, CSS, JavaScript, PHP, and Bootstrap technologies
- 4.Testing: The team tests the website's functionality, performance, and usability using various testing techniques such as unit testing, integration testing, and user acceptance testing.
- 5.Deployment: The website is deployed to a production environment and made available to users.
- 6.Monitoring and maintenance: The team monitors the website's performance, identifies and fixes any bugs or issues, and updates the website with new features and functionalities as needed.

7.Iteration: The team uses feedback from users and stakeholders to make improvements to the website in subsequent development cycles. This involves returning to the planning phase and repeating the development process until the website meets the project goals and objectives.

These steps are repeated in a continuous cycle until the final product is delivered.

7.RESULTS

7.1 Login Page

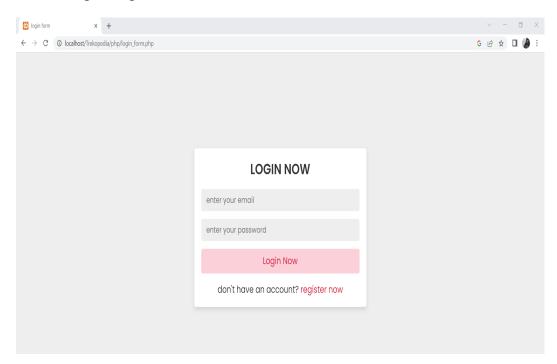


fig 7.1: Login Page

7.2 Registration Page

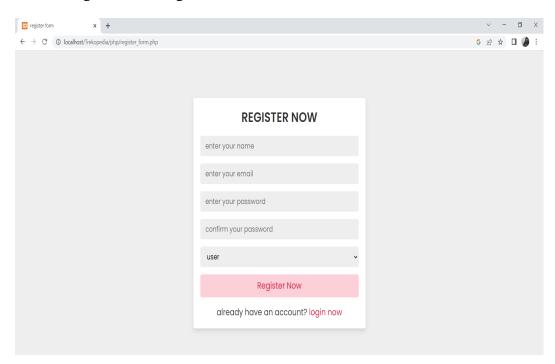


fig 7.2: Registration Page

7.3 Home Page

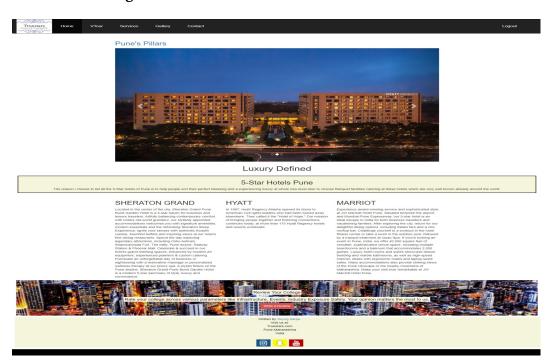


fig 7.3: Home Page

7.4 Gallery Page

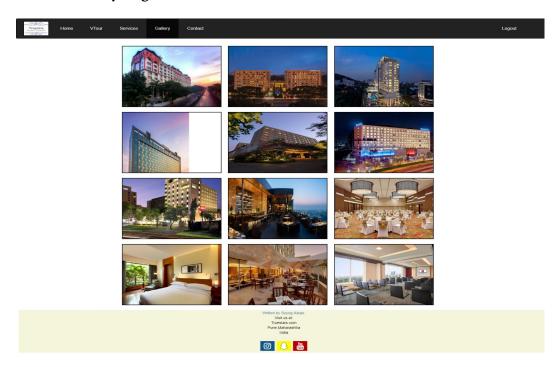


fig 7.4: Gallery Page

7.5 Services Page1

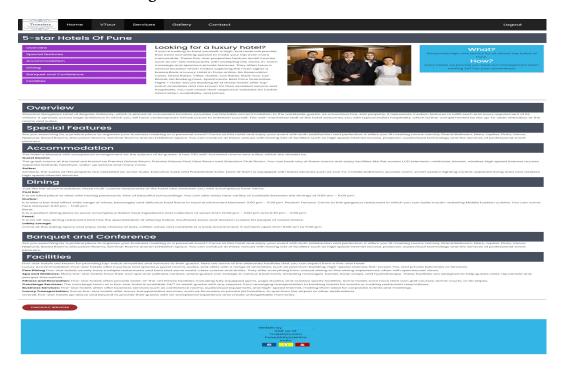


fig 7.5: Services we offer

7.6 Contact us Page

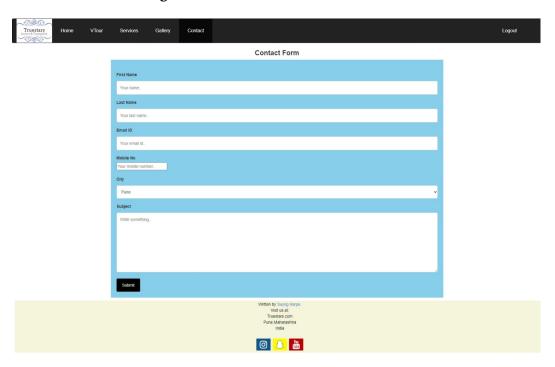


fig 7.6: Contact us Page

7.7 VTour Page

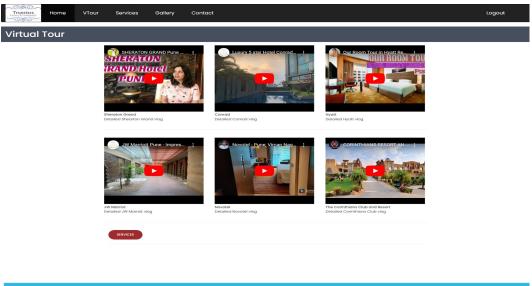




fig 7.7: VTour Page

7.8 Services 2 Page

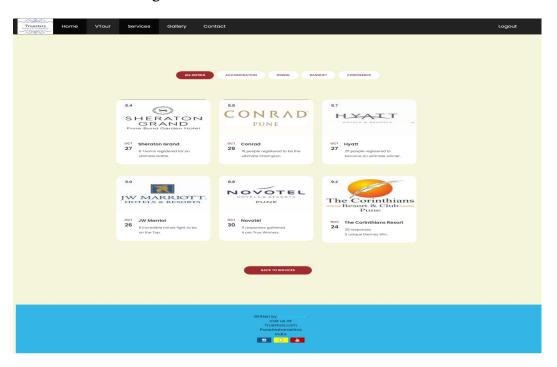


fig 7.8: Service2 Page

7.9 Code Screenshots

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fig 7.9: Code screenshot 1

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fig 7.10: Code screenshot 2

7.9 Code Screenshots

fig 7.11: Code screenshot 3

fig 7.12: Code screenshot 4

7.10 PHP connection

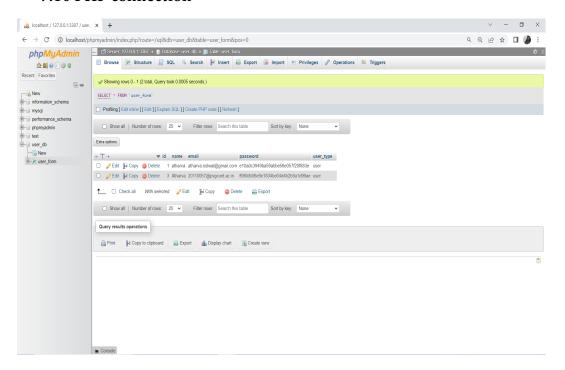


fig 7.13: PHP Connection Screenshot

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fig 7.14: PHP Connection code

7.11 Google Sheet connection

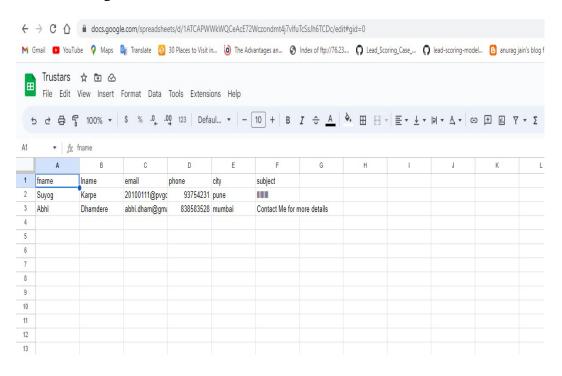


fig 7.15: Google Sheet Connection Screenshot

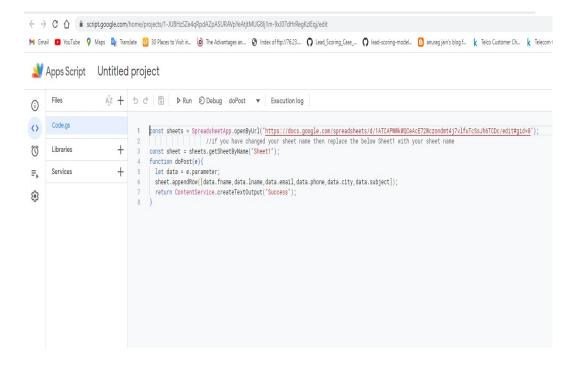


fig 7.16: Apps Script Code

7.11 Google Sheet connection

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fig 7.17: Google Sheet Connection JavaScript code

8.CONCLUSION

In conclusion, this project was a valuable learning experience for me. I learned about JDBC, SQL Database, PHP, HTML,CSS,Bootstrap and how JavaScript works. I also gained experience for developing and using version control software. This experience will be valuable to me in my future career as a software developer. I would like to thank my mentor, Mr. Rahul Ingle Sir, for their guidance and support throughout this project. I would also like to thank, Prof. U. M. Kalshetti Ma'am, for their guidance and support throughout this project. I am confident that I have the skills and knowledge necessary to be successful in my future career. I am excited to continue learning and growing as a software developer. I am glad that i could create a central, robust, dynamic web-application for booking services. For future career I learned how software works, I understood the linking of database, MVC architecture, how agile methodology works. It was a wonderful experience for working on this project.

9.SUGGESTION TO INDUSTRY

Here are few suggestions that I think would be useful for industry: Provide more opportunities for students to learn about different aspects of the software development process. Internships should not just focus on coding, but should also give students the opportunity to learn about other aspects of software development, such as testing, design, and project management. . Give students meaningful work that they can contribute to the company. Internships should not just be busy work; students should be given real tasks that they can help with. This will help them feel like they are making a difference and will give them a sense of accomplishment. Pair students with experienced developers who can mentor them and help them learn. Mentorship is an essential part of any internship, and it can be a valuable learning experience for both the student and the mentor. Provide feedback to students on their work. Feedback is essential for learning, and it is important for students to get feedback on their work from their mentors and supervisors. This feedback can help them identify areas where they need to improve and can help them grow as developers.

10.ATTENDANCE REPORT

10.1 FIRST WEEK (10-16 OCT)

- 1. 10 OCT to 12 OCT Requirement Analysis
- 2. 12 OCT to 16 OCT Learning JavaScript

10.2 SECOND WEEK (17-23 OCT)

1. 17 OCT to 23 OCT - interpreting requirements and dividing the task into sub tasks.

10.3 THIRD WEEK (24-31 OCT)

- 1. 24 OCT to 26 OCT Designing layout of home, contact webpages.
- 2. 27 OCT to 31 OCT Review for the webpages.

10.4 FOURTH WEEK (1-6 NOV)

- 1. 1 NOV to 3 NOV Designing layout of remaining webpages.
- 2. 4 NOV to 6 NOV Review for the webpages.

10.5 FIFTH WEEK (7-13 NOV)

- 1. 7 NOV to 10 NOV Implementation of home.html and contactus.html.
- 2. 11 NOV to 13 NOV Review and upgrade of home and contact webpages.

10.6 SIXTH WEEK (14-22 NOV)

- 1. 14 NOV to 17 NOV Implementation of vlogs.html and Gallery.html.
- 2. 18 NOV to 22 NOV Review and upgrade of vlogs and Gallery webpages.

10.7 SEVENTH WEEK (23-30 NOV)

- 1. 14 NOV to 17 NOV Implementation of forts Webpage.
- 2. 18 NOV to 22 NOV Review and upgrade of forts webpage.

10.8 EIGHTH WEEK (1-8 DEC)

- 1. 1 DEC to 5 DEC Creating login page and register page with database connection.
- 2. 6 DEC to 8 DEC Review of login page.

10.9 NINTH WEEK (9-16 DEC)

- 1. 9 DEC to 11 DEC Connection of contact page with google sheet.
- 2. 12 DEC to 16 DEC Review of complete website.

10.10 TENTH WEEK (17-22 DEC)

- 1. 17 DEC to 19 DEC Addition of content for forts page.
- 2. 20 DEC to 22 DEC Review of complete website.

11.REFERENCES

- 1. W3Schools: https://www.w3schools.com/
- 2. Bootstrap: https://getbootstrap.com/
- 3. PHP Manual: https://www.php.net/manual/en/
- 4. JavaScript: https://developer.mozilla.org/en-US/docs/Web/JavaScript