

AN INTERNSHIP REPORT

**SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN THE FULFILLMENT OF THE REQUIREMENT**

OF

THIRD YEAR OF COMPUTER ENGINEERING

SUBMITTED BY

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WITH INDUSTRY

Company Name: Oasis Infobyte

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UNDER SUPERVISION OF

Supervisor Name: Adarsh Prakash

Mobile No: 8010658943

Start Date for Internship: 22/12/2023 End

Date for Internship: 18/01/2023

Report Date: 30/04/2023



Sinhgad Institutes

**DEPARTMENT OF COMPUTER ENGINEERING STES'S SINHGAD INSTITUTE
OF TECHNOLOGY AND SCIENCE NARHE, PUNE - 411041**

2022-2023

CERTIFICATE OF COMPLETION

CERTIFICATE* OF *COMPLETION

2/1/2023

This certificate is proudly presented to

Aarti Basawraj Swami

for successful completion of **1 month internship** in
Web Development and Designing
with wonderful remarks at **OASIS INFOBYTE**

✉ contact@oasisinfobyte.in

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🌐 www.oasisinfobyte.com



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ACKNOWLEDGEMENT

I would like to thank **Nancy Dhir**, of for giving me the opportunity to do an internship within the organization.

I also would like to thank all the people that worked along with me in the organization with their patience and openness they created an enjoyable working environment.

It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

I am highly indebted to Principal **Dr. S. D. Markande** and Vice-principal **Prof. S. A. Kulkarni**, for the facilities provided to accomplish this internship.

I would like to thank my Head of the Department **Dr. Geeta S. Navale** for her constructive criticism throughout my internship.

I would like to thank **Mr. Shrikant A. Shinde**, Internship Coordinator Department of Computer Engineering for his support and advices to get and complete internship in above said organization.

I am extremely grateful to my department staff members and friends who helped me in successful completion of this internship.

Name of Student: Aarti Swami

Place: Pune

Date: 30/04/2023

COMPANY/ORGANIZATION BACKGROUND

Name of Company	Oasis Infobyte
Company address	Satya Niketan, South West New Delhi, India - 110021
Contact number of company	+91 8097355922
Company background	<p>IT Services</p> <p>Oasis Infobyte believes in making our youth especially the students self-aware and exploring the untouched world of technology and tremendous growth-making fields. They believe in bridging the gap between students and their knowledge in the industrial field & bringing them a step closer to their dream. The company is a MSME registered start-up, always open to connect new people with us over this journey of endless learning and great joy. Oasis Infobyte offers a variety of website designs and development services. The soft tech company is specialized in developing interactive, scalable, brandoriented, and business-ready custom web solutions. The main aim of this firm is to build profitable digital products engineered to spark creativity and boost ROI. The company also provides services in the domains of Cloud computing, animation designing, graphics designing, machine learning solutions and others. Software For Each Of Clients.</p> <p>Services provided by Oasis Infobyte:</p> <ul style="list-style-type: none"> • App Development • Web Development • Graphic Design • Java Programming • Android Development • Data Science • Cloud Computing
Name of supervisor	Adarsh Prakash
Contact number of supervisor	+91 8010658943
Email ID of supervisor	adarshprakash@gmail.com

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1. INTRODUCTION TO INTERNSHIP

During my internship, I had the opportunity to work on web development projects. There are the tasks to complete under this there is basic projects like landing page, portfolio making and a temperature converter project.

Most of the work is at frontend development. Frontend developer has following responsibilities : To Decide web page design and structure, To Develop features to enhance the users' experience, Striking a balance between functional and aesthetic design, Make sure the web design is smartphone-capable, Build reusable code for future use, Make sure web pages are optimized for best speed and scalability, Employ a diverse selection of markup languages to design web pages, Keep the brand consist throughout the whole design.

HTML is used for the frontend part and CSS is used to apply the style for existing html document. Javascript is little bit used for handling events.

HTML: HTML stands for Hyper Text Markup Language. It is the standard markup language for creating Web pages. It describes the structure of a Web page and consists of a series of elements. Html elements tell the browser how to display the content.

CSS: CSS is the language we use to style an HTML document. It describes how HTML elements should be displayed.

Learned these languages and created project on them gives a confidence on the learned things. Improved my skills .

2. MODE OF INTERNSHIP

Mode of Internship: Online (Work from Home)

3. DOMAIN OF INTERNSHIP

Domain: Web development

Web development refers to the creating, building, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e. websites.

Web Development can be classified into two ways:

1. Frontend Development
2. Backend Development

1. Frontend development:

The part of a website where the user interacts directly is termed as front end. It is also referred to as the 'client side' of the application.

HTML: HTML stands for HyperText Markup Language. It is used to design the front end portion of web pages using markup language. It acts as a skeleton for a website since it is used to make the structure of a website.

CSS: Cascading Style Sheets fondly referred to as CSS is a simply designed language intended to simplify the process of making web pages presentable. It is used to style our website.

JavaScript: JavaScript is a scripting language used to provide a dynamic behavior to our website.

Bootstrap: Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular CSS framework for developing responsive, mobile-first websites. Nowadays, the websites are perfect for all browsers (IE, Firefox, and Chrome) and for all sizes of screens (Desktop, Tablets, Phablets, and Phones)

Frontend Frameworks and Libraries:

AngularJS

React.js

VueJS

jQuery

Bootstrap

2. Backend development:

Backend is the server side of a website. It is part of the website that users cannot see and interact with. It is the portion of software that does not come in direct contact with the users. It is used to store and arrange data.

PHP : PHP is a server-side scripting language designed specifically for web development.

Java : Java is one of the most popular and widely used programming languages. It is highly scalable.

Python : Python is a programming language that lets you work quickly and integrate systems more efficiently.

Node.js : Node.js is an open source and cross-platform runtime environment for executing JavaScript code outside a browser.

4. OBJECTIVES OF INTERNSHIP

1. As a web developer, my objective is to create user-friendly and efficient websites that are visually appealing and easy to navigate. I utilize my skills in HTML, CSS, JavaScript, and PHP to develop websites that meet all the requirements of the client.
2. To Decide web page design and structure
3. To Develop features to enhance the users' experience
4. Striking a balance between functional and aesthetic design
5. Make sure the web design is smartphone-capable
6. Build reusable code for future use
7. Make sure web pages are optimized for best speed and scalability
8. Employ a diverse selection of markup languages to design web pages
9. Keep the brand consist throughout the whole design.

5. MOTIVATION/SCOPE OF INTERNSHIP

As you begin to explore a possible career in web development, you might wonder what a front end developer does. Simply, put these developers focus on website visitor facing aspects; as opposed to back end developer, who focuses on behind the scene work or full stack developer who works on both sides.

As a frontend developer has one general responsibility to ensure that website visitors can easily interact with page. They do this through the combination of design, technology and programming to code a websites appearance as well as taking care of debugging. Whenever You visit a website, anything that you see, click on or otherwise use is work of a front developer.

As a web developer, my objective is to create user-friendly and efficient websites that are visually appealing and easy to navigate. I utilize my skills in HTML, CSS, JavaScript, and PHP to develop websites that meet all the requirements of the client.

To Decide web page design and structure

To Develop features to enhance the users' experience

Striking a balance between functional and aesthetic design

Make sure the web design is smartphone-capable

Build reusable code for future use

Make sure web pages are optimized for best speed and scalability

Employ a diverse selection of markup languages to design web pages

Keep the brand consist throughout the whole design.

6. METHODOLOGIES LEARNT IN INTERNSHIP

During my internship, I worked on multiple programming languages, libraries and framework requires to completion of project.

Programming languages, framework and libraries :

Frontend developers use HTML to layout a document's general structure and content, CSS for styling and JS for situations that require advanced interactivity. Additionally, we can use AJAX which is combination of JS and XML to update specific areas of a website without having to refresh the entire page.

Frontend developers also commonly use the libraries built on these programming languages like Angular JS and React and Design frameworks including foundation of Bootstrap. CSS extensions such as SASS, provide improved modularity and power.

Additionally frontend development languages may include Python, Ruby or PHP to easily connect data with back end of their website.

Tools used in frontend development:

Because frontend developers use a combination of design and web development in their work, the tools they use span across these areas of focus.

Graphic Design Tools:

Before frontend developer begins coding, they typically use a graphic design tools to create prototype of their website, which lets them test and experiment with user interface before working out the actual code.

Code Editing tools:

A code editing is too simply the program a frontend developer chooses to use to write the code for their website. I've used Visual Studio Code editor throughout my internship

7. OUTCOME/RESULTS OF INTERNSHIP

The main benefit of front-end development is its speed because of the modern framework and innovations. The quick development makes the entire process simple. For example, when you work on an app for which the backend is ready, development can be done easily.

Development is a much-needed technology for today's web requirements. Modern sites and apps cannot afford to ignore their space in the digital world. Furthermore, the front-end developers are using different frameworks according to the client's budget.

Top companies are hiring developers to get custom software development. These companies build a strong base to put themselves on the right path. In addition to this, the developers have advanced skills for functional testing. You can also hire front-end developers to get started with your project. You can use their skills for futuristic web services and create exclusive development.

- Optimizing the user experience.
- Using HTML, JS and CSS to bring concepts to life.
- Developing and maintaining the UI.
- Implementing design or mobile websites.
- Creating tools that improve site interaction regardless of the browser.
- Managing software workflow.
- Following SEO best Practices.
- Fixing bugs and testing for usability.

8. SUGGESTIONS FOR IMPROVEMENT BY INDUSTRY

Supervisor suggested the following for my betterment:

- Focus on learning and growth: Take advantage of the opportunity to gain experience and grow as a full stack web developer. This could include learning about new technologies, programming languages, or development methodologies.
- Collaborate and communicate effectively: Clear and effective communication and collaboration are key.
- Learn advance on API's, Work on them create projects on them.

CONCLUSION

Front End development primarily focuses on User Experience. Using the coding and design techniques, you as a front-end developer build the element of an application that are directly accessed by the end-users with the goal of easy to use, fast, and secure, user engagement and interactions. But thanks to the latest design and technologies which helps to build sophisticated design and interactive designs.

A major trend in front-end development in recent years has increased due to the use of mobile and smart devices. Therefore, front-end developers must ensure that their applications are consistent, fast and high-quality user experience for all the devices. That's very big challenge.

This is the guidance or learning path, not the rules. The objective is to accommodate the learning based on the experience of the people in the community. I hope this will help you to understand the role of the front-end Developer.

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ANNEXURE I INTERNSHIP DIARY

Name of Student: Aarti Swami

Mode of Internship: Online

Name of Supervisor: Adarsh Prakash

Name of Organization: Oasis Infobyte

Sr.no	Date	Description of Activities done during the day, Knowledge acquired, Practical Skills obtained and plan for next day	Signature of Supervisor	Signature of Faculty Coordinator
1	22-Dec	introduction to web development		
2	23-Dec	introduction to frontend development		
3	24-Dec	Html-elements		
4	25-Dec	html attributes, phrases, empty elements		
5	26-Dec	heading, paragraph, styles		
6	27-Dec	Holiday		
7	28-Dec	formatting, forms		
8	29-Dec	image, links, table		
9	30-Dec	introduction to css		
10	31-Dec	css introduction		
11	01-Jan	css color		
12	02-Jan	css background image		
13	03-Jan	css selector		
14	04-Jan	css group selector		
15	05-Jan	css box model		
16	06-Jan	css flex box		
17	07-Jan	css flexbox layout		
18	08-Jan	js introduction		
19	09-Jan	Document object model		
20	10-Jan	DOM libraries manipulation		
21	11-Jan	project 1: landing page using html and css		
22	12-Jan	project 1: landing page using html and css		
23	13-Jan	project 2: portfolio		
24	14-Jan	project 2: portfolio		
25	15-Jan	project 3: temperature converter		
26	16-Jan	project 3: temperature converter		
27	17-Jan	final project		
28	22-Dec	introduction to web development		

adarsha

(Sign & Stamp) by the company.



ANNEXURE II
ATTENDANCE RECORD

Internship Attendance Sheet

Intern's Details:

Name: Aarti Swami

Company Name: Oasis Infobyte

Internship Duration: One month

Course Date: From: 22/12/2023

To: 18/01/2023

Attendance Sheet:

Days ⑦ Date/No. of weeks	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Week 1	22/12/2022	23/12/2022	24/12/2022	25/12/2022	26/12/2022	27/12/2022
	Present	Present	Present	Present	Present	Holiday
Week 2	28/12/2023	29/12/2023	30/12/2023	31/12/2023	01/01/2023	02/01/2023
	Present	Present	Present	Present	Present	Present
Week 3	03/01/2023	04/01/2023	05/01/2023	06/01/2023	07/01/2023	08/01/2023
	Present	Present	Present	Present	Present	Absent
Week 4	09/01/2023	10/01/2023	11/01/2023	12/01/2023	13/01/2023	14/01/2023
	Present	Present	Present	Present	Present	Present
Week 5	15/01/2023	16/01/2023	17/01/2023	18/01/2023	----	----
	Present	Present	Present	Present	-	-

Number of active days:26

III EVALUATION SHEET

Internship Grading Sheet

Characteristics	Excellent	Very Good	Average	Marginal	Unsatisfactory
Desire and willingness to take on new assignments		✓			
Potential for further development	✓				
Understanding of the concept		✓			
Willingness to work through an assignment to completion	✓				
Ability to communicate		✓			
Ability to learn	✓				
Concentration on work			✓		
Quality of work	✓				
Attitude (application to work)		✓			
Attendance		✓			
Cooperation - willingness to get along with others		✓			

Punctuality			✓		
Active participation in the discussion			✓		

Signature and Stamp by the industry:

adansha





STES's

Sinhgad Institute of Technology and Science, Pune
Department of Computer Engineering
Academic Year 2022-23

Student Internship Feedback from Supervisor/Employer

Student/Intern Name: Aarti Swami

Organization Name: Oasis Infobyte

Dates of Internship: 22/12/2022 - 12/1/2023

Supervisor Name: Adarsh Prakash

Supervisor Contact Details: 8010658943

This form is intended to help interns learn more about their strengths and the areas they might need to develop to be successful in the workforce after graduation. Supervisors are requested to complete the form and review it with their intern in a scheduled one-to-one meeting. Please evaluate your intern in the following areas:

	Excellent	Good	Satisfactory	Need Improvement
Critical Thinking/Problem Solving:				
Shows a sincere interest in understanding the organization, their role, and their assigned tasks	✓			
Practices sound judgment based on available information	✓			
Demonstrates creativity in approaching tasks, solving problems, and overcoming obstacles		✓		✓
Seeks out resources and/or asks for help when unsure about how to proceed on tasks		✓		
Communication/Leadership:				
Clearly and efficiently conveys ideas orally to persons inside and outside the organization	✓			
Communicates ideas clearly in writing in a manner suited to the intended audience		✓		
Manages their own emotions and works to understand and empathize with others	✓			
Takes initiative and seeks opportunities to contribute		✓		

Teamwork/Collaboration/Intercultural Fluency:				
Builds constructive working relationships with individuals	✓			
Demonstrates inclusiveness, sensitivity, and respect for individuals' differences		✓		
Contributes effectively to collaborative projects	✓			
Adapts well to emerging requests from managers, coworkers, and customers	✓			
Professionalism/Work Ethic/Technology:				
Demonstrates respect for organizational staff, policies, and norms	✓			
Maintains a regular schedule, makes up missed hours, and is punctual and present		✓		
Organizes and priorities work, manages time, and sees tasks through from start to finish	✓			
Identifies and effectively uses appropriate technologies and programs to complete work	✓			
Career Management:				
Accepts constructive feedback from others and is able to learn from mistakes	✓			
Self-advocates in a professional manner	✓			
Can identify their strengths and weaknesses	✓			
Can articulate next steps to further prepare them for their future	✓			

Supervisor Name & Signature: *adansha*

Date: 12/1/23