



Gujarat Technological University

Chandkheda, Ahmedabad

Gyanmanjari Institute of Technology

Sidsar Road, Bhavnagar (Affiliated with GTU)



A Summer Internship Report on
Trainee Software Engineer

At the industry or company

Intuz Solutions Pvt. Ltd.

Under the subject

Summer Internship (3170001)

Computer Engineering

Submitted By

1 Chauhan Vishal 20129010706

Academic Year

(2022-2023)

Internal Guide

Prof. Tushar Jakhaniya

Head of the Department

Prof. Amit Maru

External Guide

Mr. Mayank Patel



Gyanmanjari Institute of Technology
Sidsar Road, Bhavnagar (Affiliated with GTU)



DEPARTMENT OF IT ENGINEERING

CERTIFICATE

This is to certify that the Internship at **Intuz Solutions Pvt. Ltd.** has been satisfactorily completed by Chauhan Vishal (20129010706) under my guidance in the fulfillment of the course Summer Internship (3170001) work during the academic year 2022-2023.

Internal Guide

Prof. Tushar Jakhaniya

Head of the Department

Prof. Amit Maru

External Guide

Mr. Mayank Patel

Completion Certificate

Acknowledgement

I wish to express our sincere gratitude to our External guide Mr. **Mayank Patel** for continuously guiding me at the company and answering all my doubts with patience. I would also like to thank my Internal Guide Prof. **Tushar Jakhaniya** for helping us through our internship by giving us the necessary suggestions and advice along with their valuable co-ordination in completing this internship.

I also thank our parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of our work. In addition to that, we would also like to mention the company personals who gave us the permission to use and experience the valuable resources required for the internship.

Thus, in conclusion to the above said, we once again thank the staff members of **Intuz Solutions** for their valuable support in completion of the project.

Thank You
Chauhan Vishal

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Introduction

About the company

The company is a passionate team of application makers who breathe, drink, eat, play, think and talk, in addition to designing and code, the apps. Their passion for work reflects their values and produces a delightful experience for the clients. This company has delivered 1500+ apps in various industries and 40+ countries, worldwide. The unmatched diversity of verticals and impeccable experience make them the best team to overcome any project development challenge. The team thoroughly listens, carefully understands, and meticulously produces. The seamless integration of their values makes them an empathic partner for their clients. The experience is always nonpareil.

Aim and objectives of the internship

The sole aim behind this internship was to gain adequate knowledge, not only technical but also experience the environment in which the industry works and how a developer faces challenge in his/her daily life before, after or ongoing development work. The aim was also to dilute ourselves into the company's work culture so that in the future when we step into this kind of environment, we are ready which gives us an advantage to take the right decisions at any given point in time.

Roles and responsibilities during internship

Daily task and activities

Sr. No.	Date	Activities performed by the students
1.	01/07/2022	Introduction and basic JavaScript introduction. Started Udemy's JavaScript course provided by the company.
2.	04/07/2022	Learning about basics, variable, Data types, operator, control structures
3.	05/07/2022	Built a Monster Killer game using JavaScript and also learned about function
4.	06/07/2022	Explore DOM in Js and make some web app using DOM for exercise
5.	07/07/2022	Created note-taking app using DOM and learn and work with event
6.	08/07/2022	Learned more about function and high-order function like map, reduce, filter, factory function
7.	11/07/2022	started Tic Tac Toe game.

Sr. No.	Date	Activities performed by the students
8.	12/07/2022	Completed the Tic Tac Toe game and started the search movie application using javascript.
9.	13/07/2022	Completed search movie application and also done drag and drop to change background of the website
10.	14/07/2022	Learnt some further concepts of javascript such as promises, async, await, ToFixed, BigInt,
11.	15/07/2022	Completed the javascript course of udemy and started exercise from w3resource.
12.	18/07/2022	Completed first 30 exercise from the basic section of w3resource
13.	19/07/2022	Continued with the exercises and completed 100 exercise from the basic section of w3resource
14.	20/07/2022	Completed the basic section of the exercises, total of 150 questions to be precise.
15.	21/07/2022	Started Fundamental exercises and so on from w3resources.

My roles and responsibilities

- As a trainee software engineer my roles were mainly to understand the environment and working methodologies of the company and understand teamwork, time management and several other factors.
- Apart from this our responsibilities include learning and implementing vanilla JavaScript from Udemy's course that taught us different functionalities and working of JavaScript in depth.
- In the process of learning javascript we faced many challenges like some long and tedious error solving hours that gave us the habit of researching and finding of different solution from the web.
- After achieving some technical knowledge and base we were assigned with the responsibility of putting to test the knowledge we gained by practicing the core concept of the language from <https://www.w3resource.com/javascript-exercises/> .
- In the training period we were not assigned to any of the major projects that the company holded as we were not having enough experience nor knowledge but the assigned task for completing javascript gave us the experience and made us realize the true aura and the working culture of the corporate world.

Problems Given

- We were assigned with practice exercise from W3resource: <https://www.w3resource.com/javascript-exercises/> .
- The exercises include the following sections in it:
 - JavaScript Basic
 - Fundamental Part – I and II
 - Functions
 - Recursion
 - Conditional Statement and loops
 - Math
 - Array
 - Datetime
 - Strings/Text
 - Validation with Regular Expression
 - DOM
 - Drawing
 - Object
 - Searching and Sorting algorithm
 - Validation without Regular Expression

Skills Learned

About the skills

- I have learned two types of skills in this internship program which are:
 1. Technical Skills
 2. Non-technical Skills
- **Technical Skills** include core javascript knowledge and implementation in various exercises like monster killer game, tic tac toe, favorite movie recorder, etc. Technical skills also include error handling along with research and development.
- **Non-technical Skills** include time management, communication skills, teamwork, etc.

How did I learn the skills?

- Due to the Udemy course that I was assigned with I gained much more theoretical as well as technical knowledge of the core language.
- The exercises that were being assigned in the course served as a cherry on the cake and developed my base in different concepts of javascript where I learned DOM manipulation, query selectors and further advanced concepts like promises, fetch and async-await.
- I also have gained a lot of command on array and string manipulation and was introduced with different functions like map, reduce, filter which are very handy for function-oriented development. Theoretical concepts like bubbling and capturing are worth knowing.

Overall Experience

Technical Experience

- During internship, we have achieved the technical knowledge of the language and have understood how the core functionalities actually work.
- JavaScript is not only used for simple task like form validation or changing the CSS of different elements of HTML bodies but also used at a large scale in developing the enterprise level applications.
- React JS, a popular framework of javascript provide us the assistance to develop well nit and efficient front-end and Node JS another popular framework of javascript helps us with by adding soul to the application with well-formed backend services.
- JavaScript has given me an experience of creating nothing but pure magic. jQuery a popular library of javascript, back in 2013 used to provide more functions of DOM manipulation but the developers introduced the same in the core of the language.
- DOM, string and array manipulation have helped to create some fantastic and addictive user experience that has made the language super popular.

Personal Experience

- This internship has been very fruitful in terms of gaining knowledge and experience in industry.
- Although the time was quite short in has brought some delightful experiences that could be remembered for this lifetime.
- I would like to also mention that working with Intuz Solutions Pvt. Ltd. Was worth it and my time was invested in the right place and among the right people.
- My experience with fellow team members and my team leaders at Intuz was extremely friendly and delightful.
- The company and the team leaders always supported me everywhere from solving tiny errors to explaining how the company works and the culture that it manifests in each and every member of the company.
- I would like to thank Intuz Solution Pvt. Ltd., Mr. Mayank Patel (Team Lead) and Mr. Jay (Trainee Lead) for always having my back and helping whenever I needed a hand.

Conclusion

In the end I would like to conclude that the overall summer internship carried a lot of new and exciting experiences that would be written in my good books of life. During this time, I have experienced many challenges in pursuing the course such as understanding several concepts, errors, and bugs. But the main factor that was very helpful was to learn about how to solve a problem and extract the maximum out of it.

References

- I would like to thank and mention the company Intuz Solutions- <https://www.intuz.com>
- I would like to mention the JavaScript course's platform Udemy- <https://www.udemy.com>
- The exercises were assigned from W3Resource- <https://www.w3resource.com>
- Errors were solved with the help of Stack Overflow and W3Schools- <https://stackoverflow.com> and <https://w3schools.com>
- Some of the concepts were cleared from YouTube- <https://www.youtube.com>
- Google was used for research and development- <https://www.google.com>