Department of Computer Science & Engineering
SOUTHEAST UNIVERSITY

Internship Report
on
Web Design & Development

A dissertation submitted to the Southeast University in partial fulfillment of the requirements for the degree of B. Sc. in Computer Science & Engineering.

Submitted by

Bishajit Chakraborty

ID:2018000000010

Batch: 48th

Shimul Chandra Shil

ID:2017000000139

Batch: 45th

Supervised by

Mr. Md. Ashraful Hoque

Lecturer & Coordinator

Department of CSE

Southeast University

Letter of Transmittal

Jun 15, 2022
The Chairman,
Department of Computer Science & Engineering,
Southeast University,
Banani, Dhaka.

Through: Supervisor, Md. Ashraful Hoque

Subject: Submission of Internship report on Web Design and Development.

We are a student of computer Science and Engineering Department at the Southeast University. It is great pleasure to have an opportunity to submit our internship report. We have prepared this report in accordance with the instructions   to our supervisor, Mr. Md. Ashraful Hoque sir, Lecturer & Coordinator Department of CSE at Southeast University. We expect this report to be informative.

Working in aajhat.com was an inspiring and learning experience for us. We hope this experience will lot of help in our future career.We sincerely hope that this report meets your approval and that it exhibits our skills to write internship reports.

Thank you.

Sincerely yours,   Supervisor:

Bishajit Chakraborty   Mr. Md. Ashraful Hoque
ID:2018000000010   Lecturer & Coordinator
Batch: 48th Department of CSE
                                          Southeast University

Shimul Chandra Shil
ID:2017000000139
Batch: 45th

Certificate

This is to confirm that the Internship Report on "Web Design & Development" was submitted to Southeast University in partial completion of the requirement for a degree of Bachelor of Science in computer science and engineering. This report details an internship conducted by Bishajit Chakraborty and Shimul Chandra Shill under my guidance on a specific subject. No portion of the Internship Report has submitted for any other degree and the performance of the students has good.

He may submit his Internship Report.

Supervisor: Co-Supervisor:

Mr. Md. Ashraful Hoque   Md Sohrab Uddin
Lecturer   CEO
Department of CSE   Aajhat.com
Southeast University

Executive Summary

This report summarize our internship experience, which focused on "Web-Design & Development". We describes our overall work, What we did, How we learnt in this report. Aajhat.com is a modern private digital marketing agency in Bangladesh. Adapting to a new work environment and getting real job experience is the main goal of this internship.

Making Web Design and Development was the main objective of this internship. We used several technologies for developing like React js, Next js(javascript), HTML5, Tailwind-css, Material UI etc for front-end and django(Python) used in Back-end. We learned from youtube, w3 School, Geeks for Geeks, University classes and team member in aajhat.com.

Our core responsibility is back-end implementation and front-end integration and make responsive. We believe that we take many experiences from the internship opportunity, which will help our very much in our future career.

Acknowledgements

At first, Thanks to God.

After that, we'd like to express our gratitude to our esteemed supervisor, Mr. Md. Ashraful Hoque , Lecturer & Coordinator at Southeast University's Department of Computer Science Engineering.

We'd also like to thank Shahriar Manzoor sir, Associate Professor and Chairman of Southeast University's Department of Computer Science and Engineering, for appointing Mr. Md. Ashraful Hoque sir as our supervisor.

We are very grateful co-supervisor Md Sohrab Uddin at ajjhat.com. We are also indebted to our team-members at ajjhat.com for their rec-ommendations, guidance.

Thanks everyone

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Chapter 1

1. Introduction

1.1 Presentation of the Aajhat.com

1.1.1 Brief History

Aajhat.com is a modern private digital marketing agency in

Bangladesh also make Ecommerce site.

Figure-1: Aajhat.com

1.1.2 Nature of the organization/competition

Aajhat.com has a long experience in business and development
platforms. Aajhat.com has experienced with a lot of new tools and
technologies."Every product is unique and it tries to fit the right team with

the right skills for that particular product. Its teams have worked on web applications"[1].

1.1.2 Product lines

Aajhat.com provides a wide range of services and solutions for their client. Some of them are given below:

• Digital Marketing

• Web Development

• E-commerce System

• Graphic Design

1.1.4 Business volume/ employee

Aajhat.com is a reputed private organization in Bangladesh. It's

increase day by day. There are 30 plus employees right now.

1.2 Objective of the Internship

Adapting to a new work environment and getting real job experience is the main goal of this internship. We learnt how to draw an ERD diagram, how to call an API , how to make serializers, how to use SQLite3 , and how to use Redux in

the Frontend and Backend of a web application after successfully completing the internship.

1.3 Scope and Methodology

Learn new technology was the main goal of our internship. We spent the most of our time acquiring new skills, new technologies. We spent the most of our time developing backends using Django and the Frontend development using React js and next js.

Chapter 2
Literature Review

Literature study is an important part of any professional sector like research or internship. It provides a basic knowledge and gets familiar with material and solutions. HTML is a basic need of every web page. HTML stands for Hyper Text Markup Language. HTML is not a programming language. HTML describes the structure of a Web page[2].

CSS stands for Cascading Style Sheets. HTML provides rows and columns. On the other hand, css styling these pages. SS saves a lot

of work. It can control the layout of multiple web pages all at once[3].

JavaScript is the most popular programming language in the world and also makes a web application. Because React js Next js is the framework of javascript[4].

Django is a python framework that makes a easier to create a web application. Django follow MVT pattern[5].

Chapter 3

Details of Internship Work

We are working as a full stack web application developer in aajhat.com. We are responsible for design, integration, make serializers, test API using django, react js, next js, tailwind css.

3.1 Material used:

3.1.1 Front-End Development

3.1.1.1 React js

3.1.1.2 Next js

3.1.1.3 HTML5

3.1.1.4 Tailwind CSS

3.1.2 Back-End Development

3.1.2.1 Python

3.1.2.2 Django

3.1.2.3 SQLLite3

3.1.3 Development-Tools

3.1.3.1 Intellij-Idea

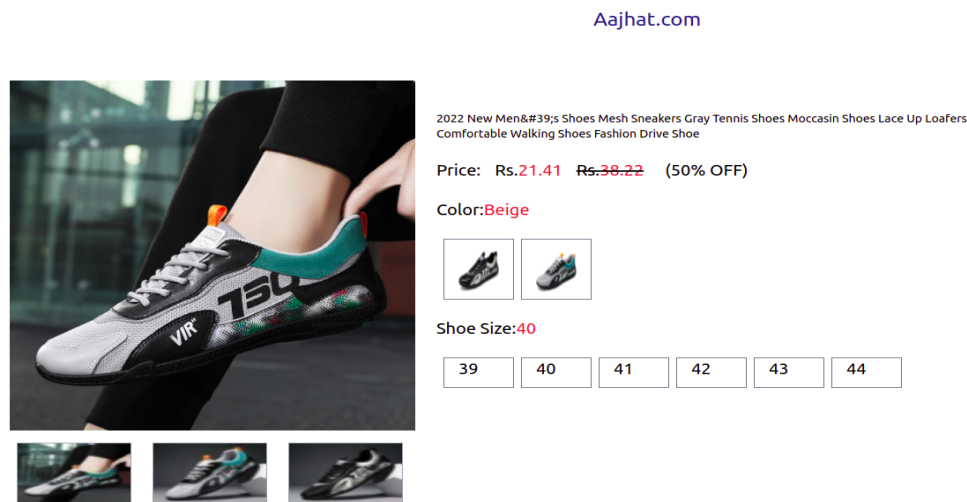3.1.3.2 Pycharm

3.2 Graphical View of Our Project

Figure-2. Product Page

Aajhat.com

Welcome to the Aajhat.com Administration

| Username | 👤 |
| Password | 🔒 |

Log in

Figure-3:Admin Panel

☰ Home   Shop Dashboard   Users   ⚏ 👤

Orders   🏠 Home / Store / Orders

Select order to change

| --------- ▾ | Go   0 of 6 selected | ⊕ Add order |

☐	ID	SubTotal	Total	ShippingAddress	ShippingCity	ShippingZip	Created at	Updated at
☐	10	34	234	Cawla, Airport	Noakhali	1234	Feb. 17, 2022, 12:52 a.m.	Feb. 17, 2022, 12:53 a.m.
☐	9	123	390	Cawla, Airport	Noakhali	1234	Feb. 17, 2022, 12:28 a.m.	Feb. 17, 2022, 12:28 a.m.
☐	8	342	345	Cawla, Airport	Noakhali	1234	Feb. 16, 2022, 9:04 p.m.	Feb. 16, 2022, 9:04 p.m.
☐	7	210	310	rafiqpur	Noakhali	2897	Feb. 16, 2022, 5:49 p.m.	Feb. 16, 2022, 5:49 p.m.
☐	6	40	120	cawla	Airport	1243	Jan. 22, 2022, 1:04 p.m.	Feb. 15, 2022, 11:31 p.m.
☐	5	987	1057	Rani Bazar	Noakhali	1222	Jan. 21, 2022, 1:16 p.m.	June 15, 2022, 10:18 p.m.

6 orders

Figure-4:Orders

Chapter 4

Key Learning's

We think internship period is the most important for gain real life work experience. Web development is one of the most pregressive department of any organization. We learnt lot of tools during internship period. This knowledge and experience will help us in our future. Our Key learning are:

- Learn React js.
- Learn Next js.
- Learn javaScript.
- Learn Python.
- Learn Django.
- Learn HTML5.
- Learn Tailwind Css.
- How to improve problem-solving skills.
- How to use material UI.
- How to use JWT Token.
- How to use a postman.

Chapter 5

Limitations and

Recommendations

We could not find any limitation in aajhat.com. But we think three or four month is not enough for an internship. Any type of software development is a big sector. So, we think before an internship , an internee should have a basic idea about in development

Chapter 6

6.1 Conclusion

It was a great opportunity to complete our internship at aajhat.com.We learn new technologies and gain new experience during internship. Our team members are very helpful and friendly. They help and encourage how to learn more. We find out our strengths and weaknesses during the internship period. We are confident about our future career.

6.2 Bibliography

[1] Ajhat. (2020) Join the spacious platform for startup, entrepreneur, innovation and change-maker. [Online]. Available: https://www.aajhat.com/

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[3]https://www.w3schools.com/css/css_intro.asp

[4]https://www.w3schools.com/js/js_intro.asp

[5]https://data-flair.training/blogs/django-advantages-and-disadvantages/