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# INTERNSHIP REPORT

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# 1 INTRODUCTION

## 1.1 Company Overview

Codesec Global is, Sri Lankan Registered IT Company which is at the start-up stage in Sri Lanka located in Rathnapura, Sri Lanka. It produces IT solutions for the modern problem.

Website: <https://www.codesec.global/>

LinkedIn: <https://www.linkedin.com/company/codesec-global/>

Company logo:



## 1.2 Project Overview

### Obsidian Holdings

Website : <https://www.obsidianholdingslk.com/>

Obsidian Holdings is a web application specifically designed and developed for a construction company based in Rajagiriya, Sri Lanka. The web application was created utilizing **Next.js** framework in conjunction with **Sanity** database. The website was a Content Management System (CMS). The client's objective is to effectively present their projects, clients, and platform for easy accessibility. I served as the primary developer for this project. The supervisor initiated the project, and I subsequently carried on with it. The application is now operational in the client's environment.

Tech stack: Next JS, Sanity, Tailwind CSS

### Olanka Travels

Olanka Travels is a web application specifically created for a travel agency based in Australia. The project involved the migration of a website. Ravi Denawaka, the CEO and Founder of Olanka Travel agency, was the client. They have already developed a website using PHP and WordPress, but they are encountering problems related to SEO and site optimization. The main objectives were to improve SEO, optimize site performance, and create a new design for their website. The website offers the capability to reserve a variety of travel packages and browse through distinct packages available for different countries. The website is not yet operational as they are currently incorporating additional features for their new website. In this project, I gained experience in communicating with clients and collecting their requirements.

Tech Stack: Next JS, Strapi, Tailwind CSS

## nftHive

Website : <https://nfthive.io/>

nftHive is a cutting-edge online application that provides a dynamic platform for the sale, auction, and purchase of NFTs. The task at hand was a meticulous migration of the frontend, overseen by our client Benjamin from Germany. Due to the site's real-time operational status and complex transactional capabilities, the project was of utmost importance. The intricacy of the codebase necessitated a comprehensive comprehension and meticulous modification of components, guaranteeing seamless functionality and a flawless user experience. I invested a significant amount of time in this project to carefully navigate and modify the code without causing any disruptions to the existing features, ensuring that the website remains reliable and satisfies the users.

Tech Stack: Next JS, Tailwind CSS

During the internship period I worked with these three projects. And here are some tools and technologies. That I worked with.

Technologies:



Tools:



## 1.3 Glossary

Following are the abbreviations and definitions used in this document.

Abbreviation	Description
nft	nftHive web application
Olanka	Olanka Travels web application
obsidian	Obsidian Holdings web application

## 2 INTERNSHIP INSIGHT

### 2.1 Objectives

- Equip students with the necessary skills to thrive in a collaborative environment and cultivate their ability to effectively interact with individuals from diverse backgrounds.
- Enhance students' understanding of their chosen profession.
- Aid in the cultivation of student abilities such as effective communication, collaborative teamwork, proficient leadership, innovative thinking, and meticulous attention to detail.
- Students have the opportunity to broaden their network of professional relationships and connections.
- Students have the opportunity to actively engage and closely observe business operations and the process of making decisions.
- Students have the ability to utilise their theoretical knowledge and concepts in practical decision-making scenarios.
- Students possess the ability to acclimatise to the professional setting.

### 2.2 Procedures

Upon becoming a member, Manager Provided me with instructions and detailed the operational processes, projects, and technologies utilised within the company. Upon my arrival, the company had a staff of only 3 employees, excluding the director board. However, the company currently employs over 8 individuals. Therefore, there were no specific programmes in place to initiate the newly hired employees. Mr. Dushyantha as my Supervisor Assisted me in acquiring knowledge of Next JS, Strapi, and Tailwind frameworks. As it was a fully remote setup, we utilised Slack and Google Meet for communication. Each morning, we conducted stand-up meetings to engage in brief discussions regarding our assigned tasks.

### 2.3 Methodology

During the internship, I adopted an Agile methodology for project development, which enabled us to effectively handle the ever-changing nature of our tasks. Our methodology entailed breaking down the project into manageable iterations or sprints, with each one dedicated to delivering specific features or functionalities. We implemented continuous feedback loops to solicit input from stakeholders and team members, allowing us to verify assumptions, pinpoint areas for enhancement, and efficiently prioritize tasks. By embracing flexibility and adaptability in our planning, we consistently reviewed and modified project priorities, timelines, and resource allocations in response to changing circumstances. The emphasis was placed on continuous integration and delivery practices, which ensured the regular integration of code, comprehensive testing, and prompt deployment to production environments. By adopting an iterative approach, we were able to minimize integration issues and guarantee the deployability of our solutions. Through the strategic application of Agile principles, we successfully oversaw projects and systematically delivered incremental value.

## 3 LEARNING OUTCOME

### 3.1 Learning

- Acquired the skills to collaborate effectively in a group setting.
- Acquired knowledge and skills and applied them in practical situations.
- Acquired knowledge on how to assimilate into the company culture through the process of observing and emulating others.
- Acquired proficiency in Strapi.
- Acquired proficiency in Next JS.
- Acquired knowledge in Tailwind CSS
- Acquired knowledge in Sanity
- Acquired knowledge in SEO and page optimization.
- Acquired knowledge in Framer motion and Next UI components
- Acquired proficiency in GitHub.
- We employed the JIRA software to oversee and control project workflows. Indeed, I have also acquired that experience.
- Acquired the skill of presenting the products we created to clients.

### 3.2 Measurable Outcome

- Acquire practical knowledge in the field of industrial workflows.
- Enhanced collaborative abilities through effective teamwork.
- Enhanced problem-solving proficiency.
- Enhanced proficiency in coding.
- Enhanced the capacity to acquire proficiency in novel technologies.

### 3.3 Effectiveness of the Effort

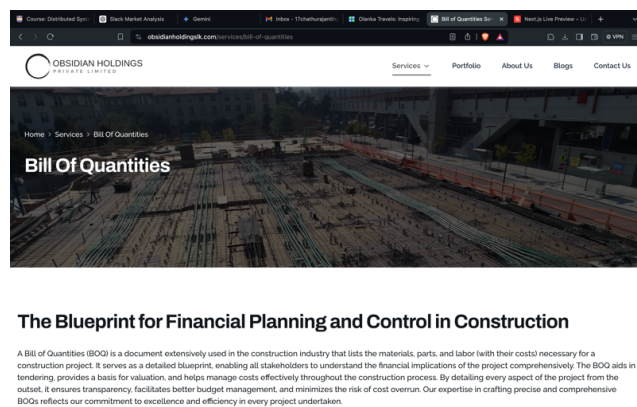
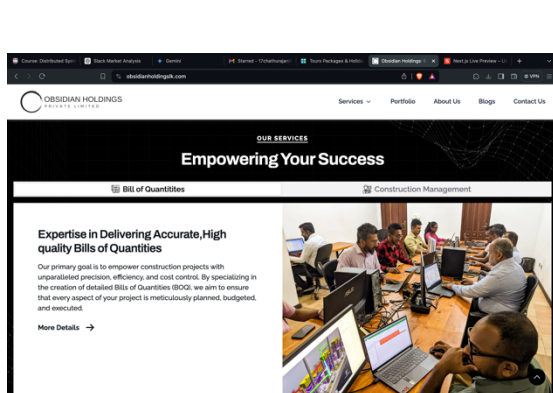
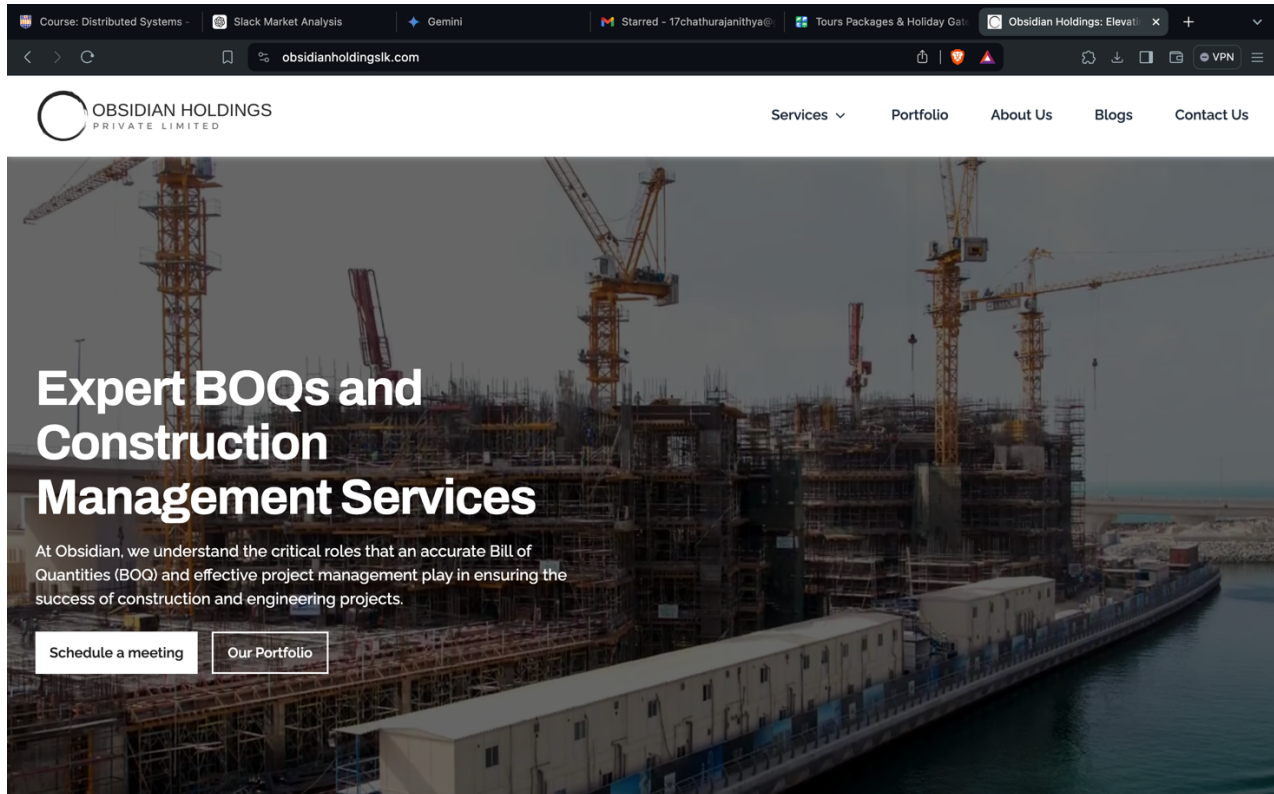
Throughout my internship at Codesec Global, I acquired significant technical expertise and enhanced my interpersonal abilities, which are essential for a prosperous professional trajectory in the field. To carry out my responsibilities with utmost efficiency, it was imperative for me to possess self-motivation and effectively allocate my time. My academic experience throughout my three-year university education equipped me with the essential skills to effectively adjust to these challenges. The object-oriented concepts and related modules, the Software Process Management modules, and the Database-related modules were highly beneficial for this internship. Success in the IT industry necessitates a profound level of self-control, steadfastness, and devotion to effectively cooperate with a team to accomplish project objectives. Throughout the internship, I gained practical experience with cutting-edge technologies and the entire software development process, from gathering requirements to deployment and ongoing support. This experience has greatly contributed to the advancement of my professional growth.

If I were to obtain the same internship again, I would perform my duties in the same manner as I did previously. Due to my belief that I performed at my highest level during the internship. I am asserting this since I completed a project independently. I was the sole developer of that project. Currently, it is in a live state. The client is currently utilising the application. As a result, I gained additional incentive to engage in my work.



## 4 SAMPLE WORK

### 4.1 Obsidian Holdings



## 4.2 Olanka Travels

**Start Your Holiday Planning Here!**

Connect with a Local **Destination Expert** Online

Instantly connect with one of our destination experts from your preferred destinations! Our services are available 24/7

[Watch Intro](#)

**Chat with us now**

Enter your name

Enter your email address (required)

Enter your mobile no (required)

Type your message and hit 'Enter'

[Start Chat](#)

### How It Works

**Tours & Destinations**

Number of Days: 3

**Tailor Made Tours**

**Tour Package 3 Days**  
Starting from 400 AUD

**Tour Package 4 Days**  
Starting from 450 AUD

**Tour Package 5 Days**  
Starting from 485 AUD

**Destination**

- ☒ Sri Lanka
- ☐ Maldives
- ☐ Vietnam
- ☐ Indonesia
- ☐ Dubai
- ☐ Cambodia
- ☐ Singapore

**Trip Type**

- ☒ Tailor Made Tours
- ☐ Fixed Offers

Thank you for reaching us. We got your contact details and one of our destination experts is going to connect with you now.

In the meantime, we need to gather below information to arrange your trip quote.

**Contact Details**

**Dates**

Check-in: 0 Night Check-out

**Guests**

1 Adult, 0 Child, 1 Room

**Star Rating**

5.0 4.0 3.0 2.0 1.0

**Your Budget**

Select on Option

**Your Flights**

Select on Option

**Travel Reasons**

Select on Option

**Your Country**

Select on Option

**Nationality**

Select on Option

**I will be travelling to Sri Lanka from**

Select on Option

[Submit](#)