PROJECT OF

# WEB DEVELOPMENT

CSY1018, ASSIGMENT-1

TITLE: Simple CV Portfolio Design

## BSC-COMPUTING

My github link: https://sujan001.github.io/csy1018-assign1/

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# CONTENTS

## 1) INTRODUCTION

### 1.1) PROJECT BACKGROUND

The assignment was to design a simple CV portfolio to support employability. It included four different pages with individual requirements with some limitations. The following report holds the stages that I have gone through while developing the site. It also shares the limitations of the website in several criteria with examples of some inspiring sites for web developers. The major changes in the design and workflow of the web features have been timely committed and described in the GitHub. Also several inspirational designs from other sites has been modified and applied in the design. Some of my inspirations are:

    i)      Melanie Daevid (http://melaniedaveid.com/ )

    ii)     W3schools

As the site was designed working with the Firefox browser, it is fully compatible with it but has some issues with Microsoft edge browser.

### 1.2) DEVELOPMENT METHODOLOGY

### 1.2.1) Prototype design

Before actually working for designing the site, the initial attempt was to create a template of how your system is going to look and behave. So, first the prototype design of the site had to be developed. To do that several portfolio sites that were awarded in regard of different categories were googled. Some of them were Anakin design studio in the most creative category and Victoire duoy portfolio in

the site of the day category. These site gave an idea of how a website features should be managed like color combinations, header and footer structures and interactive designs. Then a prototype site with some creative approach was designed to confirm whether it matches the original idea. The welcome page of the site looked like:

Fig.1 Welcome page with a slider and a circular navigation bar and a button
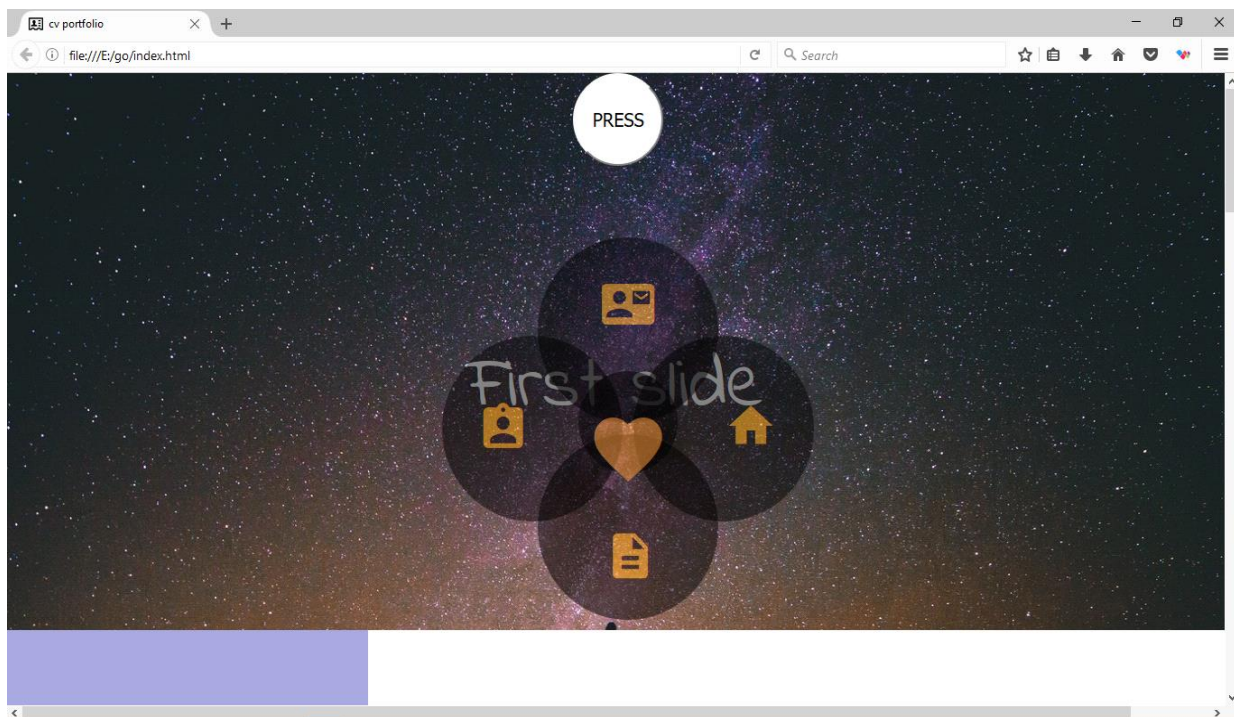
Fig.2 Design for two flex div aside with a title and contents



Fig.3  Another div content

1.2.2) Faults and limitations

After the completion of the prototype some major faults were realized:

- The site was too messy and was lagging due to overuse of keyframe animations and transition elements.

- The color schemes were not matching.

- The speed of the site was below normal.

- The site was not structured and poorly managed.

- Also there were limitation on building several features using html and CSS which could have been possible using scripts.
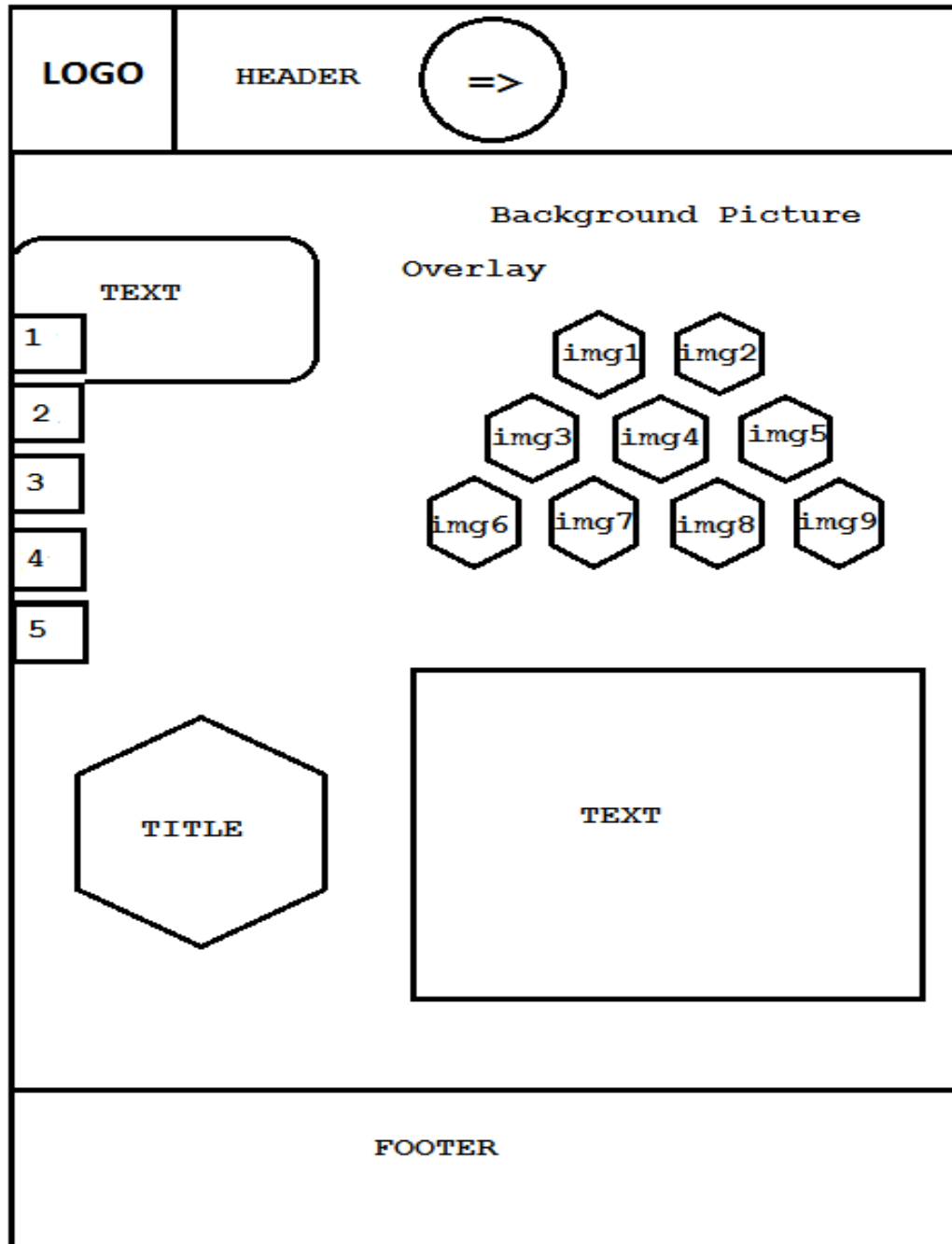
1.2.3) Actual design

After realizing these key features while developing a site, the actual design of the site was started. Rough sketches were made for creating wireframes which was then converted into the actual design.
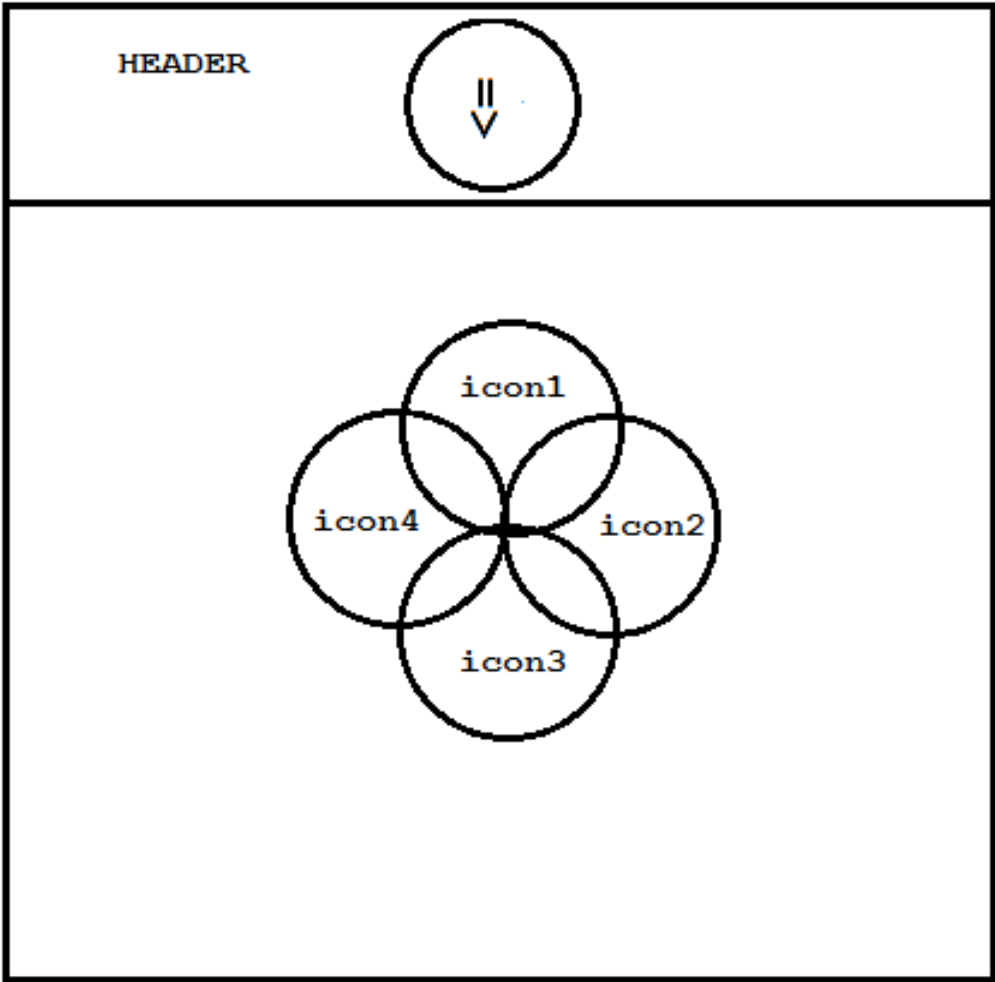
2) SYSTEM INTERFACE DESIGN

2.1) DESKTOP WIREFRAME
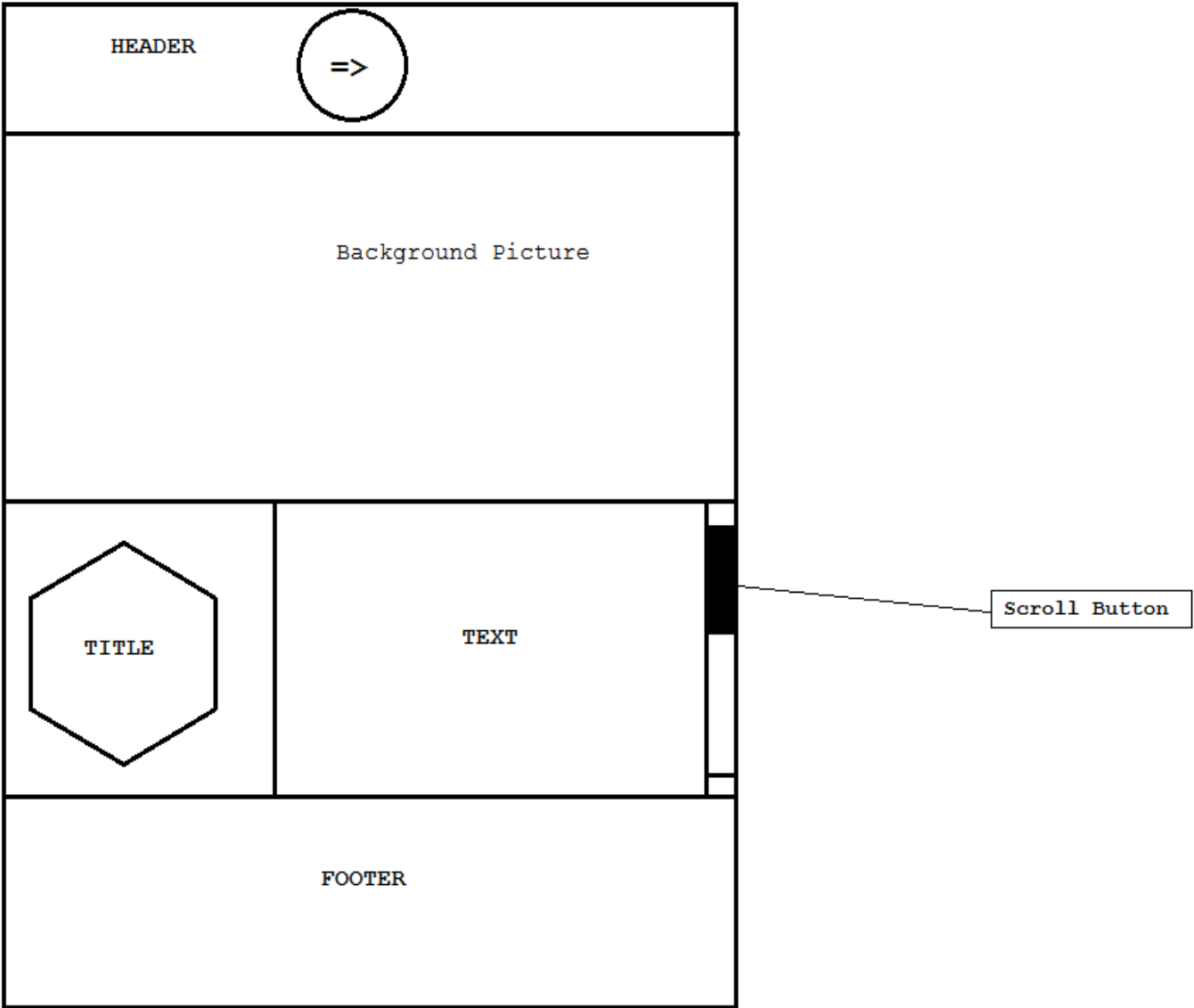
2.1.1) HOMEPAGE

LOGO    HEADER    ( => )

Background Picture

Overlay

TEXT

1

2

3

4

5

img1    img2

img3    img4    img5

img6    img7    img8    img9

TITLE

TEXT

FOOTER

2.1.2) Navigation Diagram

HEADER

icon1

icon4

icon2

icon3

## 2.1.3) Biography

HEADER

=>

Background Picture

TITLE

TEXT

Scroll Button
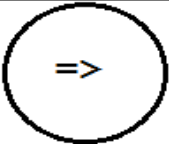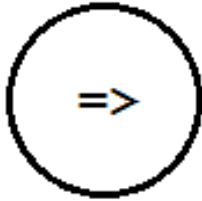
FOOTER

## 2.1.4) Curriculum Vitae

```
┌──────────────────────────────────────────┐
│  HEADER          ( => )                    │
├──────────────────────────────────────────┤
│           Background Picture               │
│   ┌──────────────────────────────────┐    │
│   │  TEXT                  ╱Image1╲   │    │
│   │                        ╲_____╱   │    │
│   └──────────────────────────────────┘    │
├──────────────────┬───────────────────────┤
│  TITLE 1         │      TEXT               │
│                  │                         │
├──────────────────┴───────────────────────┤
│  TITLE 2         │      TEXT               │
│                  │                         │
├──────────────────┴───────────────────────┤
│  TITLE 3         │      TEXT               │
│                  │                         │
├──────────────────┴───────────────────────┤
│              FOOTER                        │
└──────────────────────────────────────────┘
```
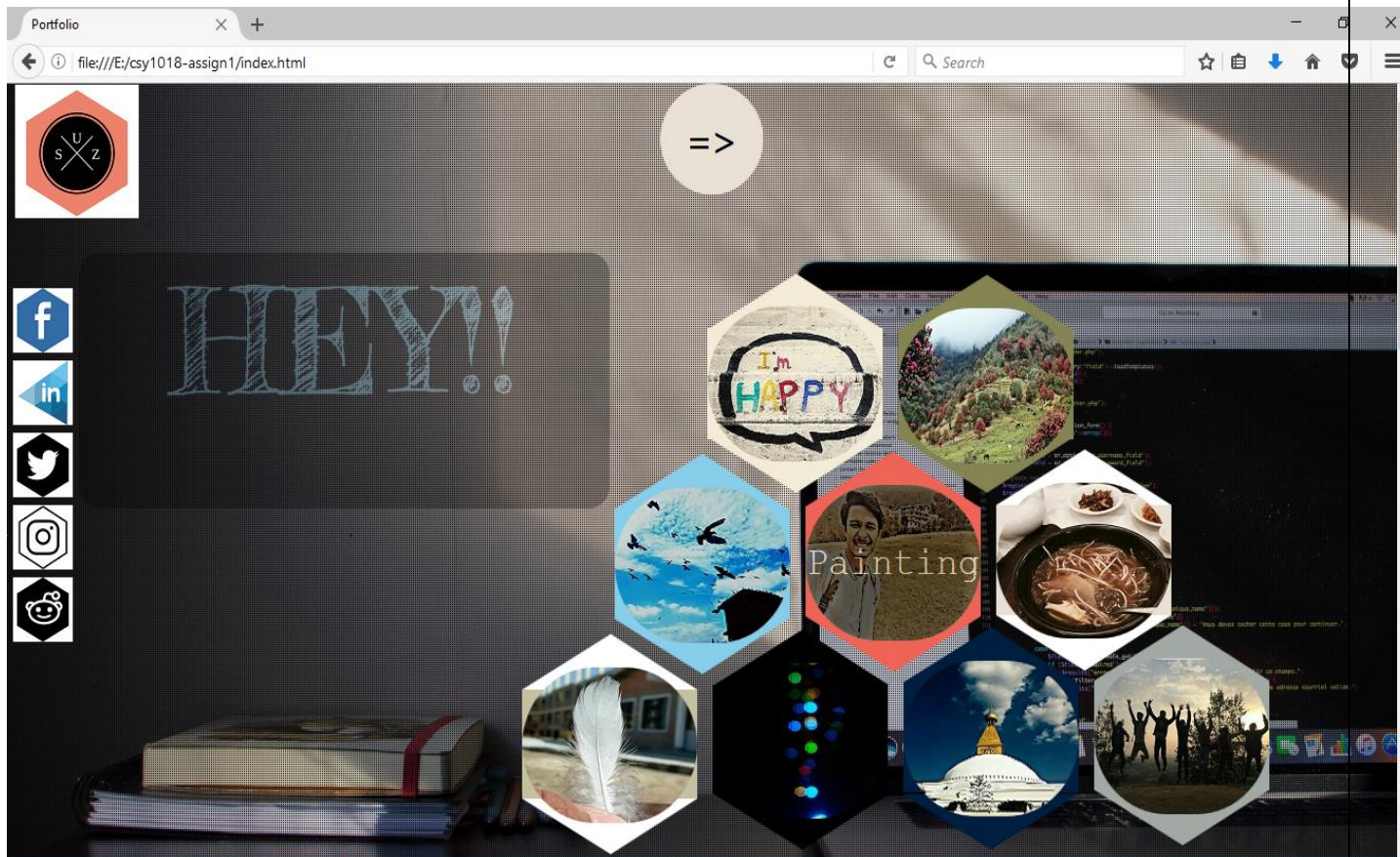
## 2.1.5) Contact page

BACKGROUND IMAGE

HEADER

=>

Name: 

Address: 

E-mail: 

Country: 

Image

Comment: 

Send

FOOTER

## 2.3) FINAL DESIGN OF THE SYSTEM

### 2.3.1) DESKTOP DESIGN



This is the top portion of the home page of Portfolio with a logo at the top left corner in the header section. The circular navigation is at the top center of the page and the social icons for sharing the website is kept at the left bar. Hexagonal div with individual images and a hovering effect is kept to make the page interactive. The screen also consists of two different overlay layers, one with the

content 'HEY' and the other is kept above the background image to show net like effect on the image.
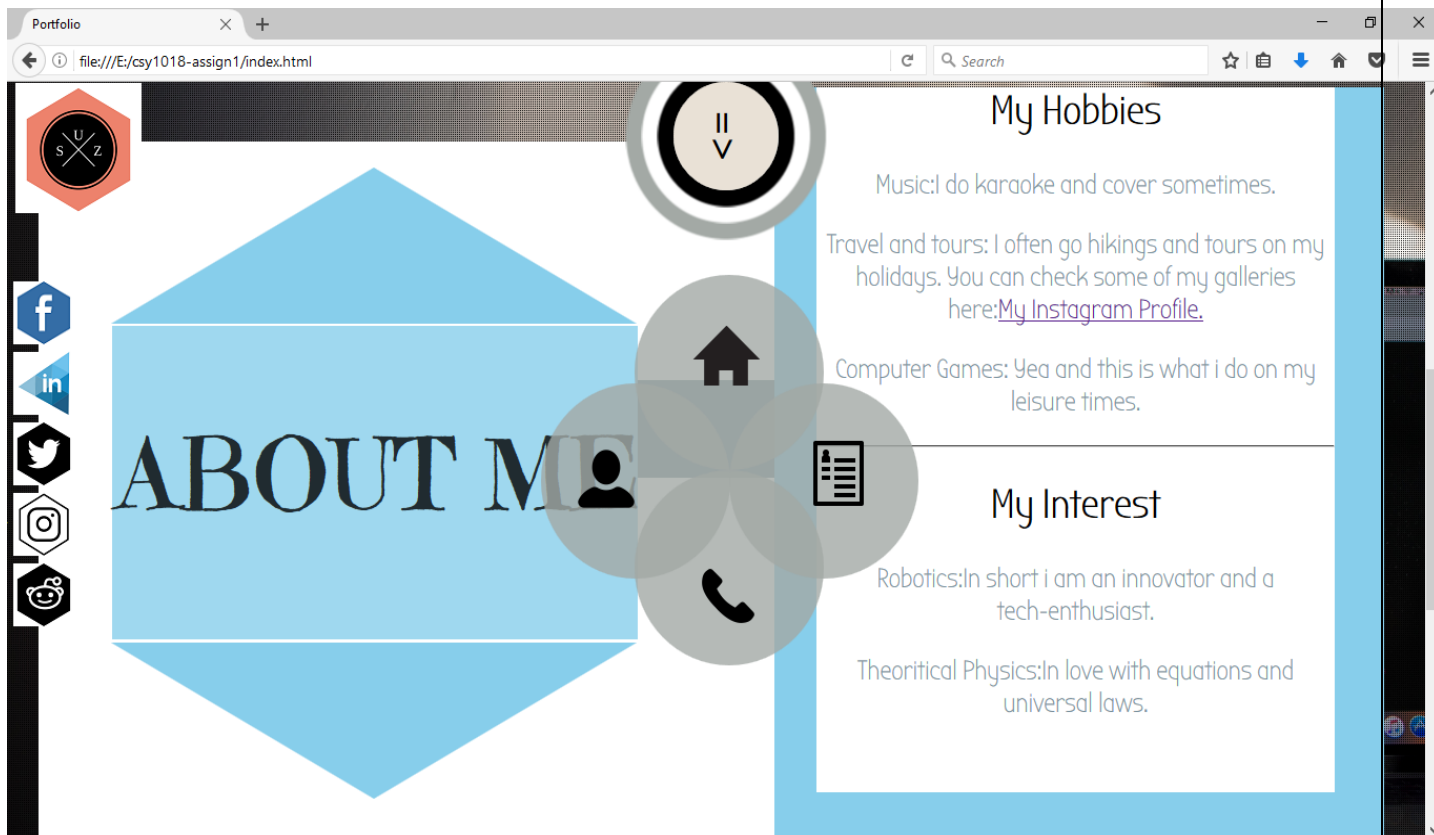


This is the lower portion of the homepage which consists of a summary of my current status in the about me section. The logo, social media icons and the navigation button are fixed in the screen for user comfortability. The figure also shows the different navigating menus in the circular div and hover effects.
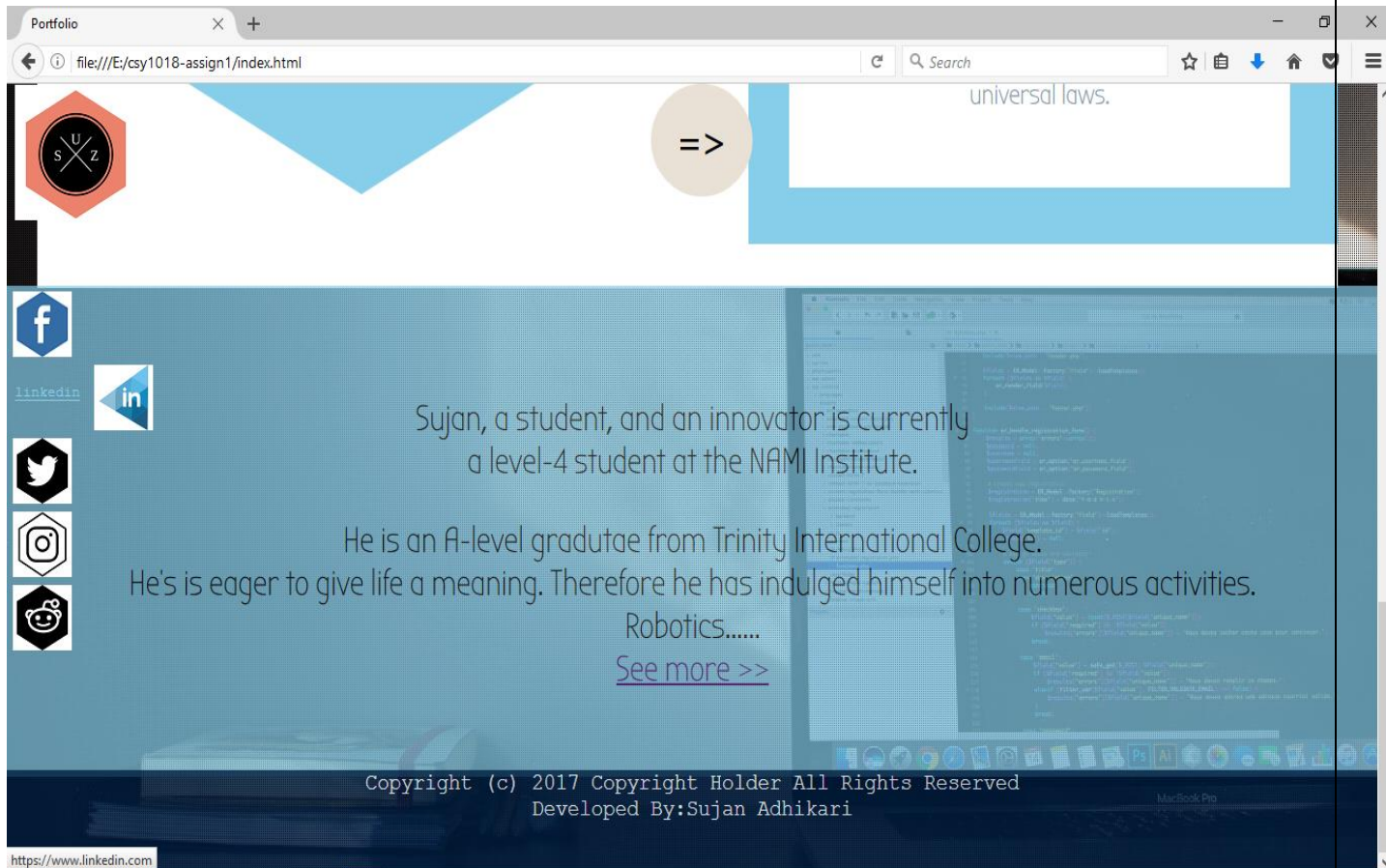
This is the footer portion of the home page with a short introduction of biography and a 'see more' button. It also has the copyright standard mentioned in the lower part.
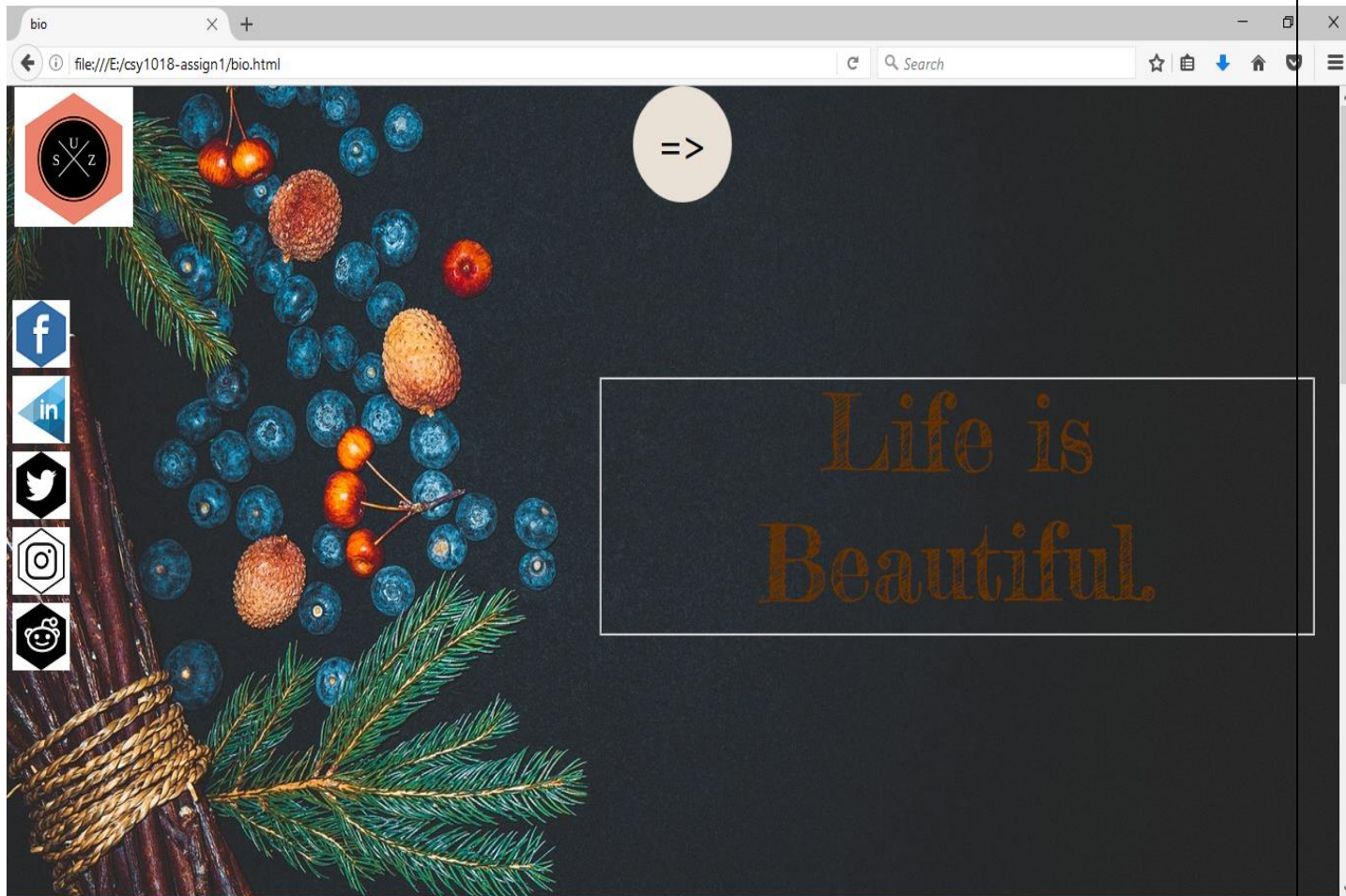
This is the Biography page of the portfolio. It includes of background image and a quote kept in a bordered line.
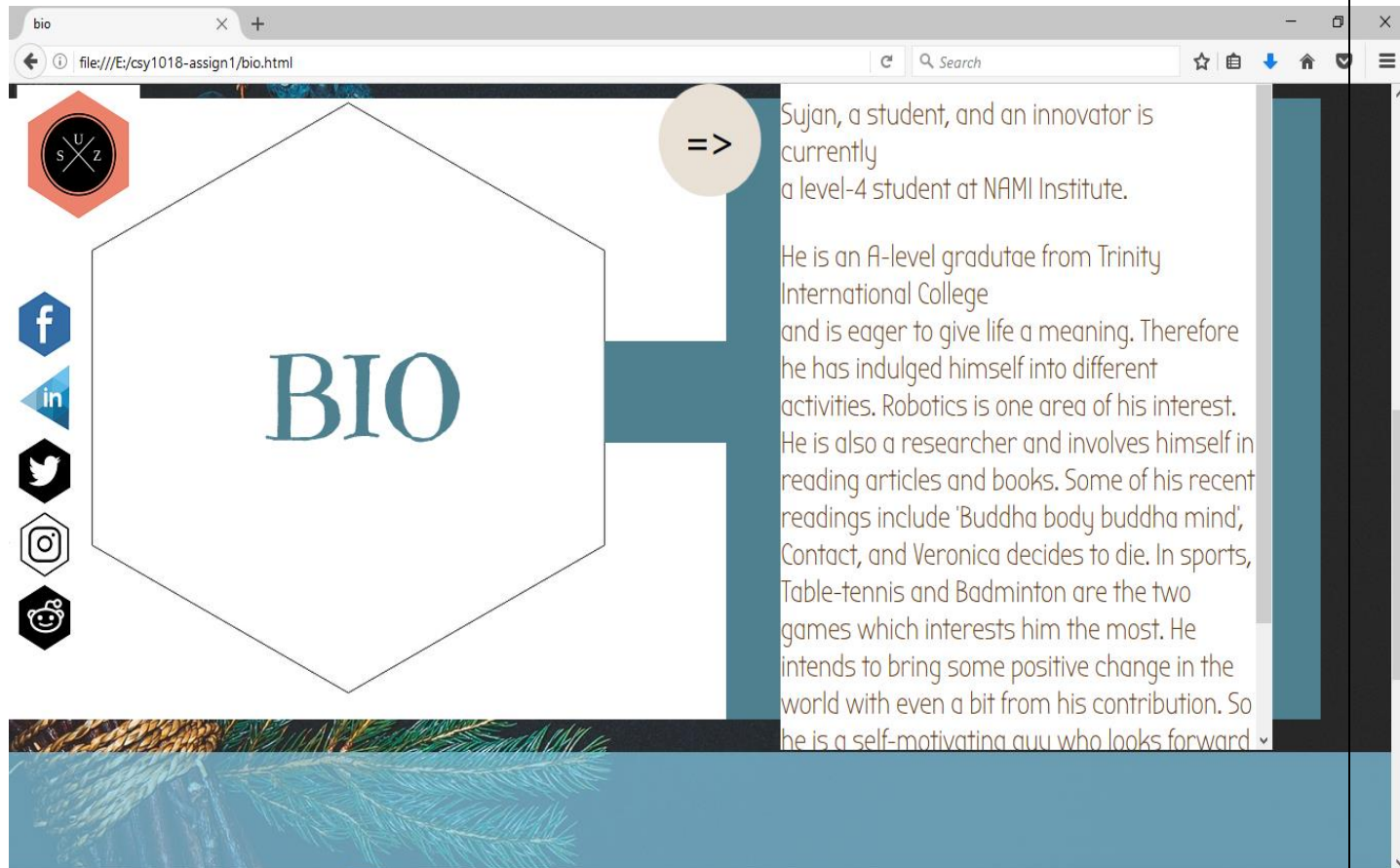
This is the footer portion of the bio page with a title and its content.
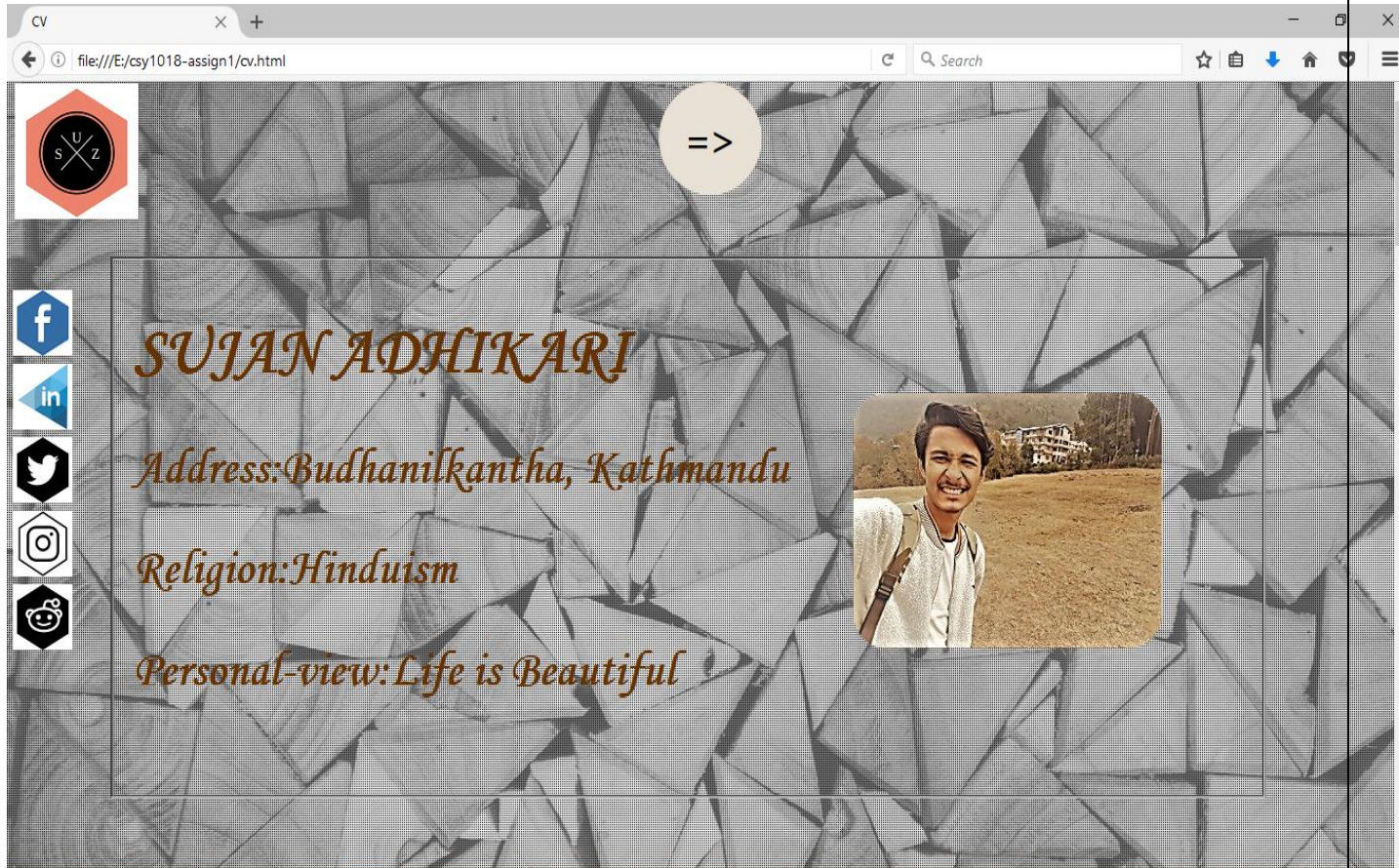
This is the Curriculum vitae page of the portfolio. It consists of an image at the right of the box div and the details in the left side.

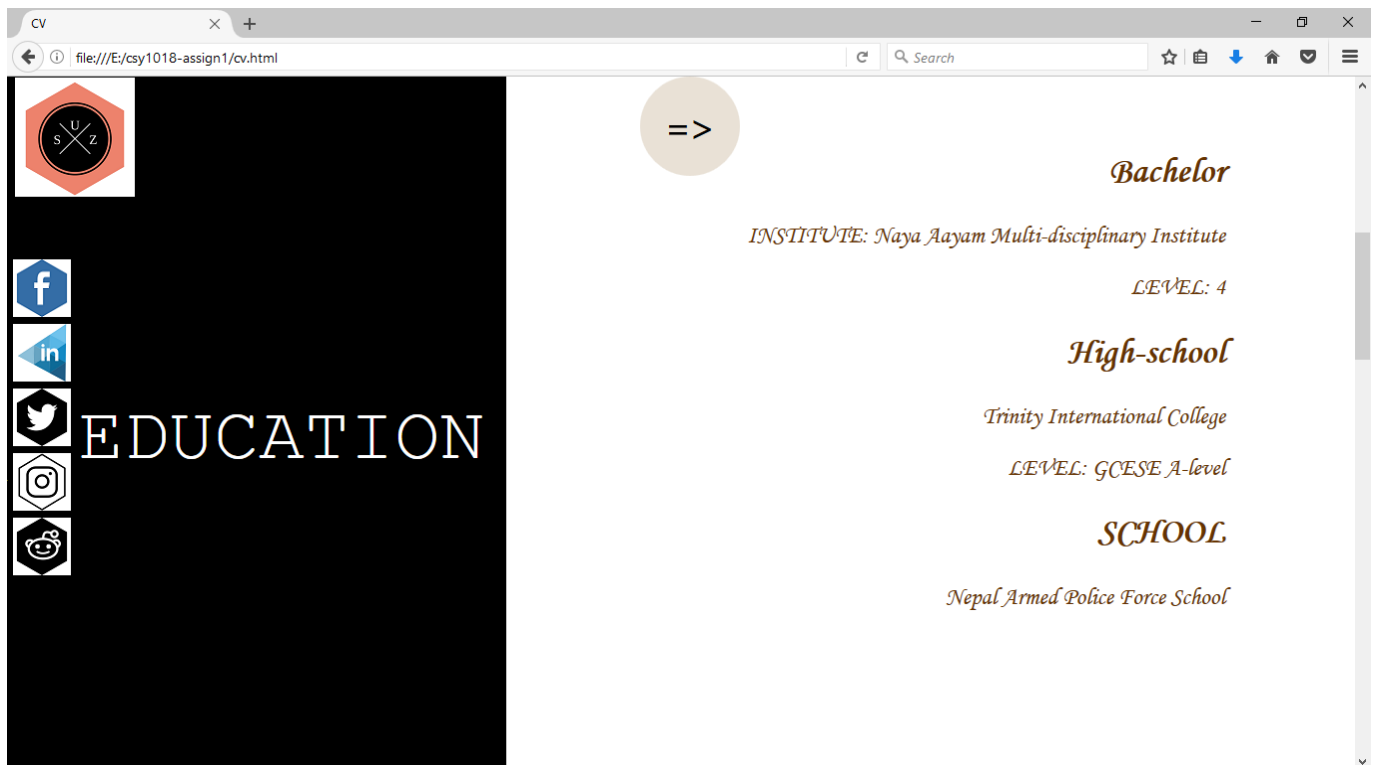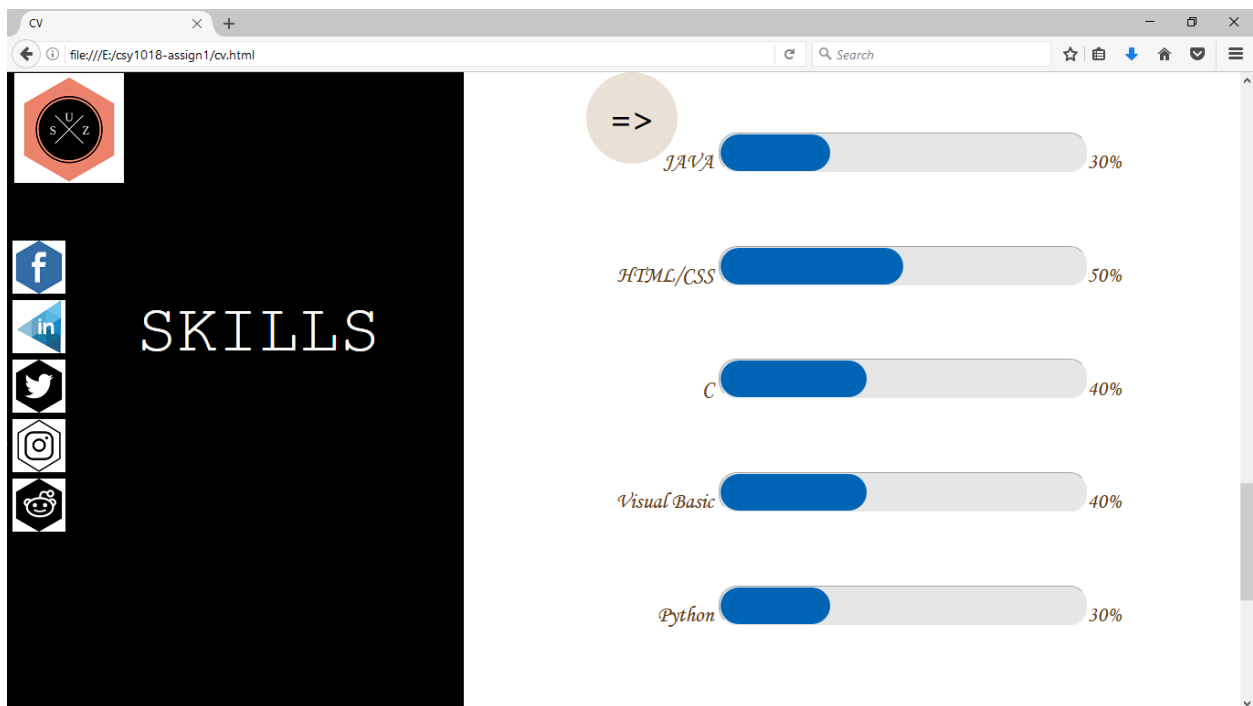Three different title with their content is shown on the lower portion of CV page.

COURSEWORK

=>

## CURRENT MODULES

CSY1019: Software Engineering (NAMI) Year 1 Intensive Start

CSY1018: Web Development (NAMI) Year 1 Intensive Start

CSY1020: Problem Solving and Programming (NAMI) Year 1 Intensive Start

CSY1026: Databases 1 (NAMI) Year 1 Intensive Start

CSY1014: Computer Systems (NAMI) Year 1 Intensive Start

CSY1017: Computer Communications (NAMI) Year 1 Intensive Start



SKILLS

=>

JAVA        30%

HTML/CSS    50%

C           40%

Visual Basic 40%

Python      30%

This is the contact page of the portfolio.

## 2.4) COMPATIBILITY CHECK AND VERIFICATION

### 2.4.1) SPEED TEST

The first thing that should be considered for rating the performance of the website is by the speed of loading its contents. It's always a good practice to design a website with less time consumption. It increases the usability and reliability of the site among the users. So the speed of the site was examined by an online speed tester website called 'pingdom'. The result

## 2.4.2) HTML5 AND CSS3 VALIDATION CHECK

Even though the site might be well, it is always a good practice to make sure that the valid CSS and HTML elements have been used to build the site. The W3 schools validator service has been used to identify the validation of the HTML and CSS codes.

### 2.4.3) NAVIGATION DESIGN

Navigating menus are often used by users to direct to different HTML pages. So introducing some creative aspects while navigating can surely increase the user experience. Therefore, some time was spent playing with codes to finalize the site with some creative menus which should also be easier and as simple to use.

## 2.5) CONCLUSION

### 2.5.1) DESIGN PROBLEMS AND COMPATIBILITY ISSUES

There were some issues on the design and compatibility check of the site in different platforms.

i) The position of the background image was not fixed in the Microsoft Edge browser but was working with Mozilla Firefox.

ii) The design of the progress bar in the skills section varies with the browser.

iii) Also the overall positioning of the div gets unmanaged in the Microsoft edge browser.

iv) Since the pages included of several hexagonal divs and circular navigation menus, it was quite difficult to make the site responsive for all the platforms. Therefore, the website is compatible only in the 1366*768 resolution screen.

### 2.5.2 Working hours

It took almost 80 hours to design the website completely.

In conclusion, as the website was focused in designing a user-friendly system, most of the time was spent on how the system should look and behave like. So all the major changes in the design was timely committed into the GitHub repository. The project also highlighted the major problems and limitations while working with HTML language and also the possibilities of using it.

## 2.6) REFERENCES

Melanie Daveid - UX Design & Art Direction. 2017. *Melanie Daveid - UX Design & Art Direction*. [ONLINE] Available at: http://melaniedaveid.com/. [Accessed 09 April 2017].

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