# Islington College

Information Systems CC4002NI

**Submitted By:**

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Date: 20th May'18

**Submitted To:**

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Lecturer, IT

# Contents

## Introduction

HTML (abbreviation for Hyper Text Markup Language) is the standard markup language for creating web pages and web sites. (Anon., 2014). It uses markup to describe the structure of web pages. Its elements are the building blocks for web pages. These elements are represented by tags.

CSS (abbreviation for Cascading Style Sheets) is used to describe how HTML elements are to be displayed in a website. With the use of CSS, a lot of work and time can be saved as it can control the styling and layout of multiple web pages (an entire website) all at once. External stylesheets are stored in CSS file. (Anon., n.d.)

JavaScript is a programming language for HTML and the Web. It is used to define the content of web pages in HTML, to specify the layout of web pages in CSS and to program the behavior of web pages. (Lockwood, n.d.)

We, as students, were required to design and develop an individual portfolio in the form of a website. So, I have created a website with 5 web pages: Home, Blog, Resume, Research and Contact. Additionally, I created a navigation bar (or menu bar) which makes navigating through the pages easier and more convenient. I also set a specific background image on all the web pages. The home page contains some basic information about me. The Blog page contains the blog regarding the effects of technology on our daily lives. The Resume page contains my CV, Portfolio and qualifications. The Research page contains screenshots and description about the websites I referenced to create my own website

along with their respective links. The Contact page contains my contact information.

Along with the background photo, the website also contains other multiple photos to make the website more interesting and informative.  This is how I have created, designed and structured my website.

## Discussion and Analysis

The website that I have created was created by using Sublime Text 3. Sublime Text 3 is a proprietary cross platform source code editor with an API (abbreviation for Python application programming interface). (Ltd, n.d.). The reason for using Sublime Text 3 was that it natively supports multiple programming languages and markup languages. In Sublime Text, functions can be added by users. It also offers quick navigation to files, symbols and lines. Additionally, the preferences can be selected according to the needs of the project. Also, the symbol indexing feature allows the programmer to create the program more easily and efficiently.

HTML programming was primarily used to create the website and webpages. To support the HTML files, additional CSS and JavaScript was added in order to design, structure and to manage the layout of the website. HTML was used as it is considered as one of the most sophisticated and user-friendly web programming languages. Since HTML is a human created language, one can easily understand what the subject, predicate and object is. Additionally, we can create a high quality design for our webpages using HTML and adding CSS and JavaScript to it. (John, 2010). I used CSS to add a common background image to my webpages, set the background to cover the entire web page, set the font size, and set font color to white and font family to Arial. Additionally, CSS was used to set the width, height, padding, list style, alignment, font size, line height, margin, background color, text decoration, color and display of the Navigation Bar. (Anon., n.d.).

The programming for the webpage 'Home':

```html
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
    <title>Home</title>
</head>
<body>
    <div id="navbar">
        <ul>
            <li><a href="Contact.html">CONTACT</a></li>
            <li><a href="Research.html">RESEARCH</a></li>
            <li><a href="Resume.html">RESUME</a></li>
            <li><a href="Blog.html">BLOG</a></li>
            <li><a href="Home.html">HOME</a></li>
        </ul>
    </div>
    <div id="content">
        <h1 style="font-size: 36px;"><em>Hello, there!</em></h1>
        <p style="font-size: 16px;text-align: justify;margin:40px;">I am Abiral Joshi Shrestha. Currently, my primary focus is on my education. Besides that, I'm also involved in the
        start-up of an online musical website known as Index. Now, what is Index? You might be wondering. In my own words, Index is a community of artists and visionaries, who create
        and document depictions of art and culture. It is a community which sets the spotlight on inventive and often controversial ideas as well as personalities. With this regards,
        I, personally, am also a musician and a vocalist.</p>
        <img src="photo.jpg" width="600" height="700" style="display: block; margin-left: auto; margin-right: auto;"  >
        <p style="font-size: 16px;text-align: justify;margin:40px;"> Also, I am a passionate automotive enthusiast, especially two-wheelers. I hold a begineer level two-wheeler
        license.</p>
    </div>
</body>
</html>
```

The screenshot of the creation of the webpage 'Blog':

```html
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
    <title>BLOG</title>
</head>
<body>
    <div id="navbar">
        <ul>
            <li><a href="Contact.html">CONTACT</a></li>
            <li><a href="Research.html">RESEARCH</a></li>
            <li><a href="Resume.html">RESUME</a></li>
            <li><a href="Blog.html">BLOG</a></li>
            <li><a href="Home.html">HOME</a></li>
        </ul>
    </div>
    <div id="content">
        <h1 style="font-size: 36px;"><em>Affects of technology on our daily lives</em></h1>
        There have been many positive as well as negative changes and affects in our life due to technology.
        <img src="technology.jpg" width="700" height="500" style="display: block; margin-left: auto; margin-right: auto;">
        <p> Some of the positive and negative affects of technology are:
        <header><b> Improvement in communication</b> </header>
        <p> The advancements in technology have led to the development of numerous means of electronic communication such as social networking websites, emails, etc. These
        advancements have helped us remove the inefficiency of time and distance in communication.
        <p>Although such technology has helped us stay closer to people far away from us, we also need to find a balance between our online life and real life. If we get overly
        attached to our social life online, it will be very harmful to our social skills in reality. Spending quality time with our friends and family is also important.</p>

        <header><b>Changes in health industry</b></header>
            <p>Technology has helped in the improvements of healthcare services. The majority of hospitals today are using modern technologies. Such advancements have made it
            easier to monitor your weight, heart rate and other health conditions at any time of the day with ease.</p>
            <p>While such technologies have helped people a lot, there have also been many cases where people had been misguided by unprofessional information which they found on
            the Internet.</p>

        <header>Convenience of Travelling</header>
            <p>Modern transportation has made it easier for people to travel long distances. Technology has made it possible for our regular working t be more efficient and
            quicker. </p>
            <p>Today we cannot imagine a life without such modern technologies in our day-to-day life as they have made our lives much easier and simpler. With this, the
            dependency of humans on such technologies is also increasing day-by-day.</p>
    </div>
</body>
</html>
```

The programming of the webpage 'Resume':

```html
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
    <title>Resume</title>
</head>
<body>
    <div id="navbar">
        <ul>
            <li><a href="Contact.html">CONTACT</a></li>
            <li><a href="Research.html">RESEARCH</a></li>
            <li><a href="Resume.html">RESUME</a></li>
            <li><a href="Blog.html">BLOG</a></li>
            <li><a href="Home.html">HOME</a></li>
        </ul>
    </div>
    <div id="header">
        <header style="font-size: 30px; font-weight: bold; padding-left: 560px;"><em>More information about me</em></header>
    </div>
    <div class="section" style="text-align: center;">
        <div id="content">
            <img src="CV.jpg" alt="CV" width="250px" height="175px">
            <p>I am Abiral Joshi Shrestha, currently an IT student and a member at Index. I have a huge passion about technology. Besides that, I am also keen on music, automotive and
            two-wheelers.</p>
            <header><b>Personal Information</b></header>
            <p>Name: Abiral Joshi Shrestha</br>
            Age: 18</br>
            Date of Birth: October 10, 1999</br>
            Place of Birth: Kathmandu, Nepal</br>
            Nationality: Nepalese </br>
            Religion: Hinduism</br>
            Address: Boudha, Kathmandu, Nepal.</p>
            <header><b>Qualifications and Experiences</b></header>
            <p> Completed S.L.C. from Paragon Public School, Tilganga, Kathmandu. </br>
            Completed H.S.E.B. +2 from United Academy, Kumaripati, Lalitpur. </br>
            Supporting guitarist and vocalist at Index. </p>
            <header><b>Contact Information</b></header>
            <p>Contact No.: 9843313366</br>
            E-mail: madridistaabira111@gmail.com</br>
            For more information, go to the contact page.</p>
        </div>
    </div>
</body>
</html>
```

The programming of the webpage 'Research':

```html
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
    <title>Research</title>
</head>
<body>
    <div id="navbar">
        <ul>
            <li><a href="Contact.html">CONTACT</a></li>
            <li><a href="Research.html">RESEARCH</a></li>
            <li><a href="Resume.html">RESUME</a></li>
            <li><a href="Blog.html">BLOG</a></li>
            <li><a href="Home.html">HOME</a></li>
        </ul>
    </div>
    <div id="content">
        <h1 style="font-size: 20px;"><em>In order to create this website and webpages a lot of research was done. Clues were taken from many webpages. Some  of them are:</em></h1>
        <p><b>1) Index.com</b>
        <a href="http://itsonindex.com/"> Go to Index</a></br>
        <img src="screenshot1.jpg" width="1100px" height="500px" ></br>
        This is the website of the start-up that I am working on. Many of the information on the home page of my own website is about this multi-platform network.
        </p>
        <p><b>2) w3schools.com</b>
            <a href="https://www.w3schools.com/"> Go to W3 Schools</a></br>
            <img src="screenshot2.jpg" width="1100 px" height="500px"></br>
            A lot of the confusions that I had were removed by referencing to this page. It contains critical information regarding the syntax of both HTML and CSS. Referencing
            this website helped me remove many errors that I had run into.
        </p>
        <p><b>3) W3Schools Template </b>
            <a href="https://www.w3schools.com/w3css/tryw3css_templates_band.htm">Go to the Template</a></br>
            <img src="screenshot3.jpg" width="1100px" height="500px"></br>
            This template has been wonderfully programmed and designed. The navigation bar used in my own website was inspired by the one used in this template. It also gave me an
            idea on how my website should be designed.
        </p>
        <p><b>4) Achieve 3000 </b>
        <a href="http://www.achieve3000.com/customer-support/"> Go to Achieve 3000</a></br>
        <img src="screenshot4.jpg" width="1100px" height="500px"></br>
        Referencing this website was very helpful to me as it gave me a clear concept of what is required in the contact page. It also helped me understand how a form should be
        structured.
        </p>
        <p><b>5) Wix </b>
        <a href="https://www.wix.com/website-template/view/html/1676/?siteId=a2b2ea31-fa89-4af6-839a-0152c05a239e&metaSiteId=25696c7e-f948-43cc-a307-463d74bcc52d&originUrl=https%3A%2F%2Fwww.wix.com%2Fwebsite%2Ftemplates%2Fhtml%2Fportfolio-cv"> Go to Wix</a></br>
        <img src="screenshot5.jpg" width="1100px" height="500px"></br>
```

```html
        Referencing this website was very helpful to me as it gave me a clear concept of what is required in the contact page. It also helped me understand how a form should be
        structured.
        </p>
        <p><b>5) Wix </b>
        <a href="https://www.wix.com/website-template/view/html/1676/?siteId=a2b2ea31-fa89-4af6-839a-0152c05a239e&metaSiteId=25696c7e-f948-43cc-a307-463d74bcc52d&originUrl=https%3A%2F%2Fwww.wix.com%2Fwebsite%2Ftemplates%2Fhtml%2Fportfolio-cv"> Go to Wix</a></br>
        <img src="screenshot5.jpg" width="1100px" height="500px"></br>
        I referred to this website in order to get some idea about how to create my own CV. I also look at the concepts and ideas regarding portfolio.
        </p>
    </div>
</body>
</html>
```

The programming to the web page 'Contact':

```html
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
    <title>Resume</title>
</head>
<body>
    <div id="navbar">
        <ul>
            <li><a href="Contact.html">CONTACT</a></li>
            <li><a href="Research.html">RESEARCH</a></li>
            <li><a href="Resume.html">RESUME</a></li>
            <li><a href="Blog.html">BLOG</a></li>
            <li><a href="Home.html">HOME</a></li>
        </ul>
    </div>
    <div id="header">
        <header style="font-size: 30px; font-weight: bold; padding-left: 560px;"><em>More information about me</em></header>
    </div>
    <div class="section" style="text-align: center;">
        <div id="content">
            <img src="CV.jpg" alt="CV" width="250px" height="175px">
            <p>I am Abiral Joshi Shrestha, currently an IT student and a member at Index. I have a huge passion about technology. Besides that, I am also keen on music, automotive and two-wheelers.</p>
            <header><b>Personal Information</b></header>
            <p>Name: Abiral Joshi Shrestha</br>
            Age: 18</br>
            Date of Birth: October 10, 1999</br>
            Place of Birth: Kathmandu, Nepal</br>
            Nationality: Nepalese </br>
            Religion: Hinduism</br>
            Address: Boudha, Kathmandu, Nepal.</p>
            <header><b>Qualifications and Experiences</b></header>
            <p> Completed S.L.C. from Paragon Public School, Tilganga, Kathmandu. </br>
            Completed H.S.E.B. +2 from United Academy, Kumaripati, Lalitpur. </br>
            Supporting guitarist and vocalist at Index. </p>
            <header><b>Contact Information</b></header>
            <p>Contact No.: 9843313366</br>
            E-mail: madridistaabiral11@gmail.com</br>
            For more information, go to the contact page.</p>
        </div>
    </div>
</body>
</html>
```
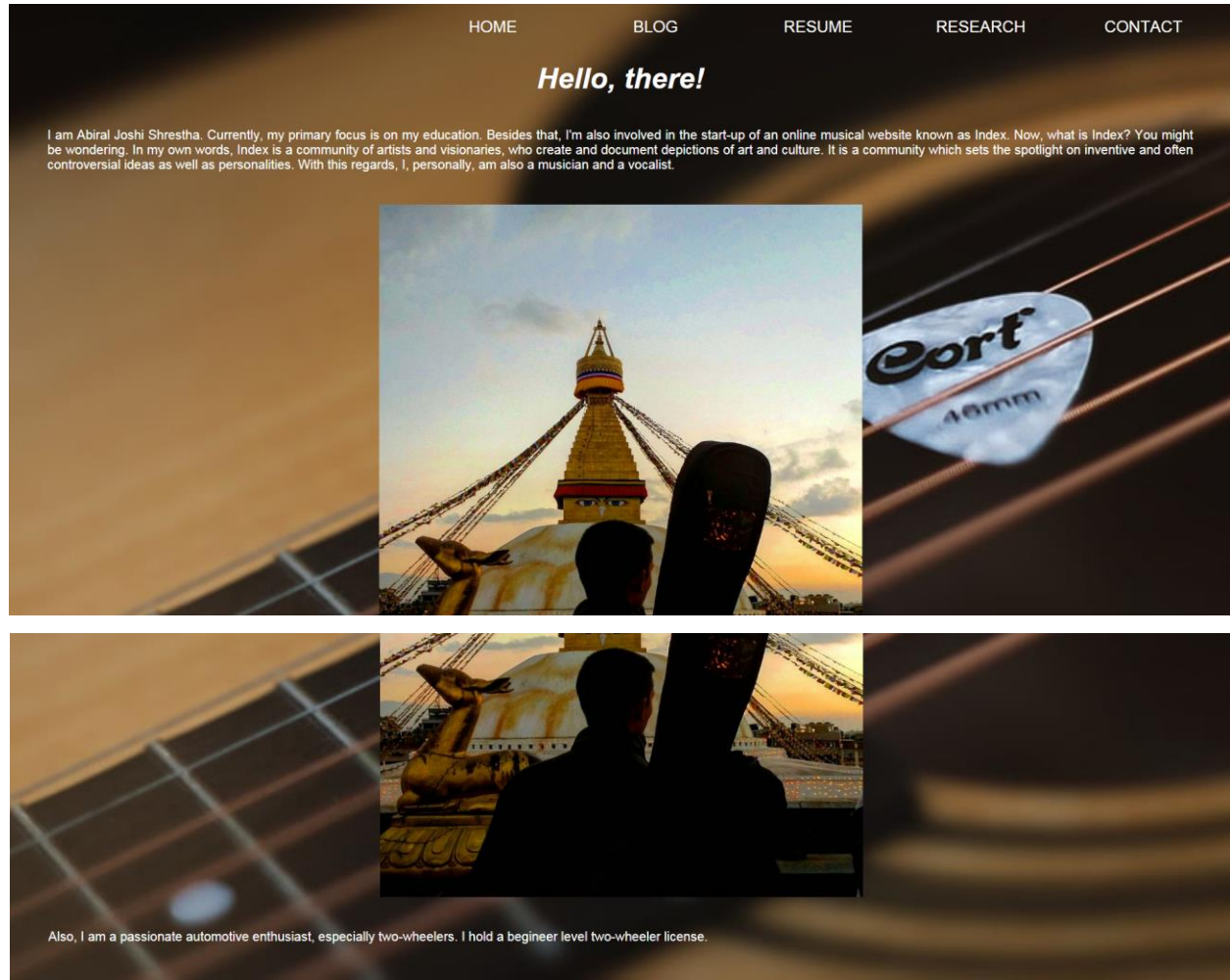
The programming to the CCS file 'style':

```css
body {
    background: url('guitar.jpg');
    background-size: cover;
    font-family: Arial;
    color: white;


}
ul{
    margin: 0px;
    padding: 0px;
    list-style: none;
}
ul li {
    float: right;
    width: 200px;
    height: 40px;
    line-height: 40px;
    text-align: center;
    font-size: 20px;
    margin-right: 2px;
}
ul li a {
    text-decoration: none;
    color: white;
    display: block;
}
ul li a:hover {
    background-color: green;
}
#content{
    text-align: center;
    display: inline-block;
}
```

The page 'Home':

## Hello, there!

I am Abiral Joshi Shrestha. Currently, my primary focus is on my education. Besides that, I'm also involved in the start-up of an online musical website known as Index. Now, what is Index? You might be wondering. In my own words, Index is a community of artists and visionaries, who create and document depictions of art and culture. It is a community which sets the spotlight on inventive and often controversial ideas as well as personalities. With this regards, I, personally, am also a musician and a vocalist.

Also, I am a passionate automotive enthusiast, especially two-wheelers. I hold a begineer level two-wheeler license.

The page 'Blog':

## Affects of technology on our daily lives

There have been many positive as well as negative changes and affects in our life due to technology.

Some of the positive and negative affects of technology are:

**Improvement in communication**

The advancements in technology have led to the development of numerous means of electronic communication such as social networking websites, emails, etc. These advancements have helped us remove the

The advancements in technology have led to the development of numerous means of electronic communication such as social networking websites, emails, etc. These advancements have helped us remove the inefficiency of time and distance in communication.

Although such technology has helped us stay closer to people far away from us, we also need to find a balance between our online life and real life. If we get overly attached to our social life online, it will be very harmful to our social skills in reality. Spending quality time with our friends and family is also important.

**Changes in health industry**

Technology has helped in the improvements of healthcare services. The majority of hospitals today are using modern technologies. Such advancements have made it easier to monitor your weight, heart rate and other health conditions at any time of the day with ease.
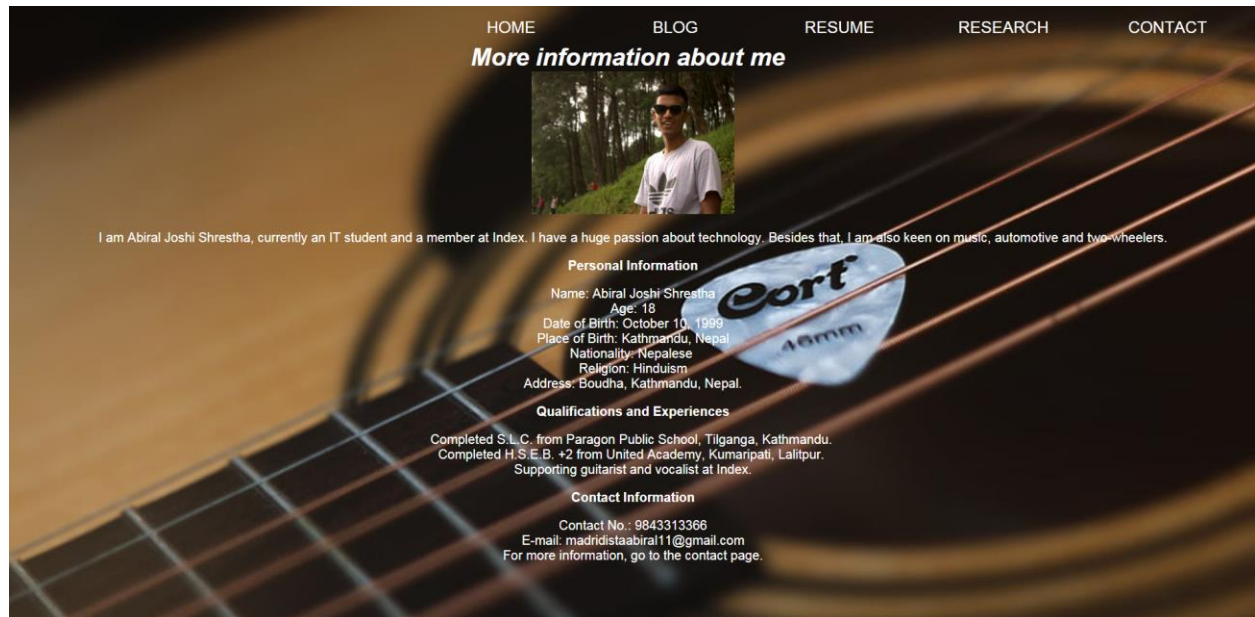
While such technologies have helped people a lot, there have also been many cases where people had been misguided by unprofessional information which they found on the Internet.

**Convenience of Travelling**

Modern transportation has made it easier for people to travel long distances. Technology has made it possible for our regular working t be more efficient and quicker.

Today we cannot imagine a life without such modern technologies in our day-to-day life as they have made our lives much easier and simpler. With this, the dependency of humans on such technologies is also increasing day-by-day.

The page 'Resume':

### More information about me

I am Abiral Joshi Shrestha, currently an IT student and a member at Index. I have a huge passion about technology. Besides that, I am also keen on music, automotive and two-wheelers.

**Personal Information**

Name: Abiral Joshi Shrestha
Age: 18
Date of Birth: October 10, 1999
Place of Birth: Kathmandu, Nepal
Nationality: Nepalese
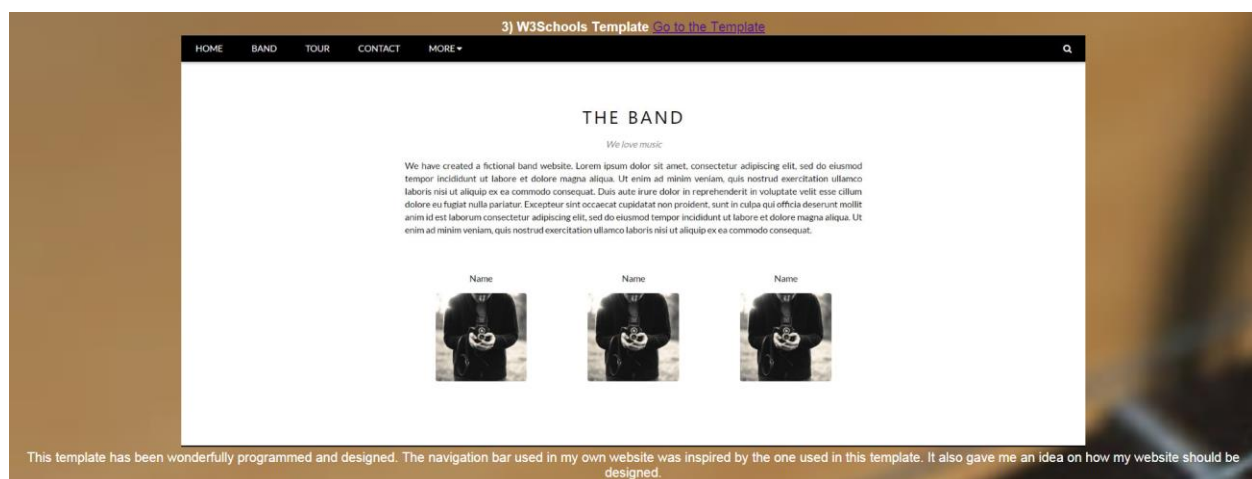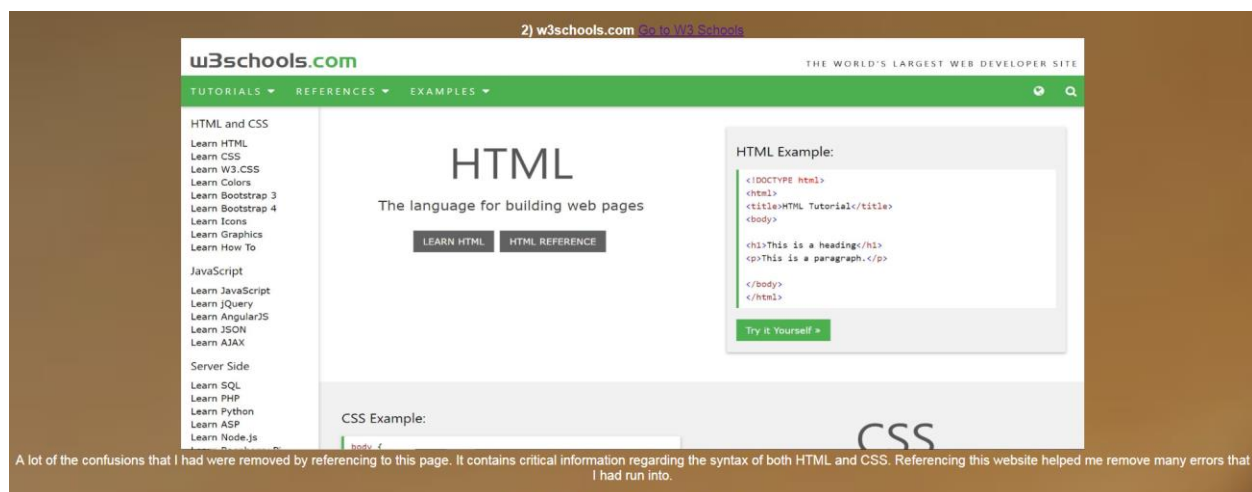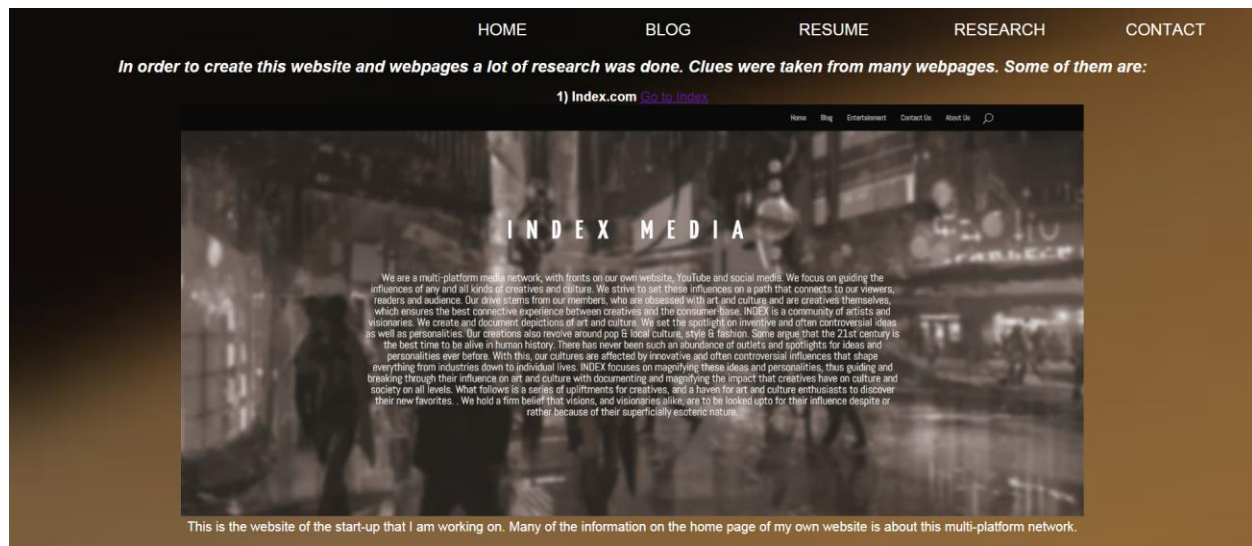Religion: Hinduism
Address: Boudha, Kathmandu, Nepal.

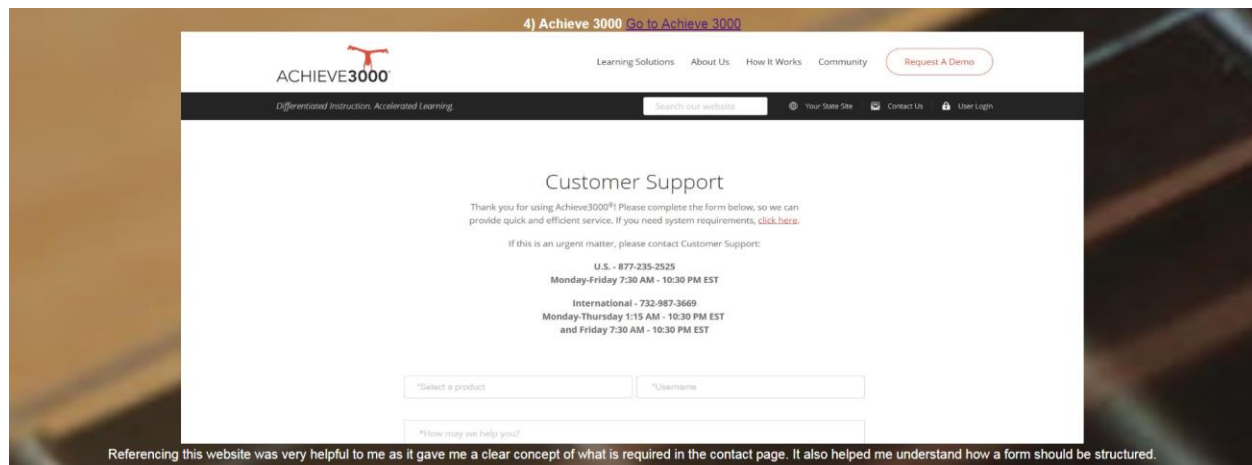**Qualifications and Experiences**

Completed S.L.C. from Paragon Public School, Tilganga, Kathmandu.
Completed H.S.E.B. +2 from United Academy, Kumaripati, Lalitpur.
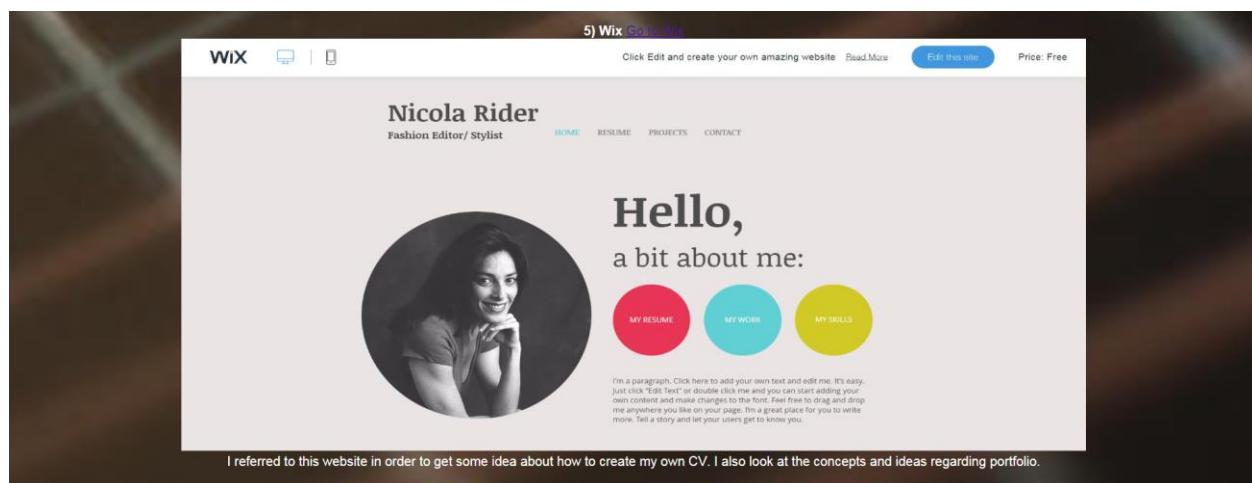Supporting guitarist and vocalist at Index.

**Contact Information**

Contact No.: 9843313366
E-mail: madridistaabiral11@gmail.com
For more information, go to the contact page.

The page 'Research':

*In order to create this website and webpages a lot of research was done. Clues were taken from many webpages. Some of them are:*

**1) Index.com** Go to Index



This is the website of the start-up that I am working on. Many of the information on the home page of my own website is about this multi-platform network.

**2) w3schools.com** Go to W3 Schools



A lot of the confusions that I had were removed by referencing to this page. It contains critical information regarding the syntax of both HTML and CSS. Referencing this website helped me remove many errors that I had run into.

**3) W3Schools Template** Go to the Template



This template has been wonderfully programmed and designed. The navigation bar used in my own website was inspired by the one used in this template. It also gave me an idea on how my website should be designed.

ACHIEVE3000

Learning Solutions    About Us    How It Works    Community    Request A Demo

*Differentiated Instruction. Accelerated Learning.*    Search our website    Your State Site    Contact Us    User Login

## Customer Support

Thank you for using Achieve3000®! Please complete the form below, so we can
provide quick and efficient service. If you need system requirements, click here.

If this is an urgent matter, please contact Customer Support:

**U.S. - 877-235-2525**
**Monday-Friday 7:30 AM - 10:30 PM EST**

**International - 732-987-3669**
**Monday-Thursday 1:15 AM - 10:30 PM EST**
**and Friday 7:30 AM - 10:30 PM EST**

*Select a product
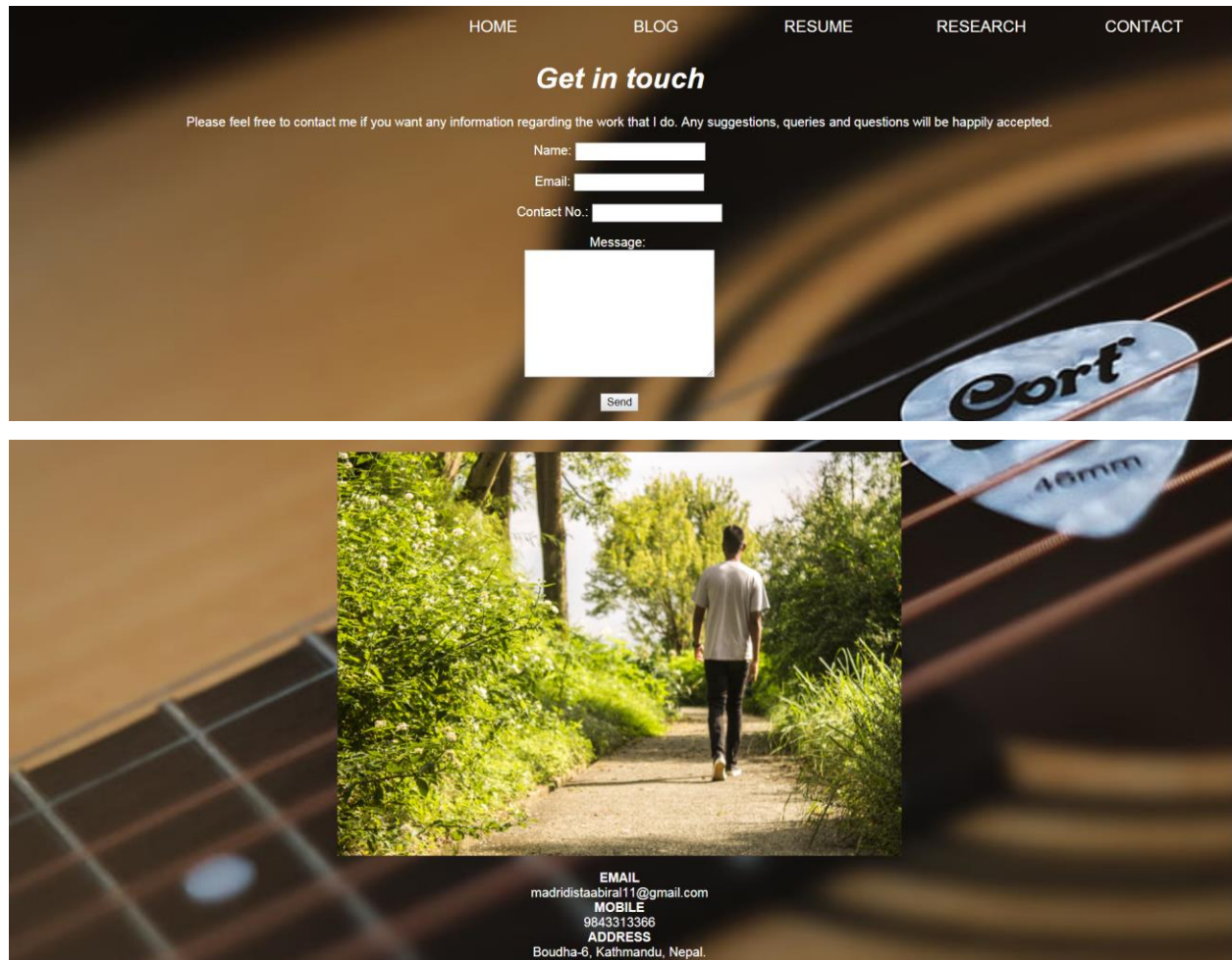
*Username

*How may we help you?

Referencing this website was very helpful to me as it gave me a clear concept of what is required in the contact page. It also helped me understand how a form should be structured.

WiX    Click Edit and create your own amazing website    Read More    Edit this site    Price: Free

### Nicola Rider
Fashion Editor/ Stylist    HOME    RESUME    PROJECTS    CONTACT

# Hello,
## a bit about me:

MY RESUME    MY WORK    MY SKILLS

I'm a paragraph. Click here to add your own text and edit me. It's easy.
Just click "Edit Text" or double click me and you can start adding your
own content and make changes to the font. Feel free to drag and drop
me anywhere you like on your page. I'm a great place for you to write
more. Tell a story and let your users get to know you.

I referred to this website in order to get some idea about how to create my own CV. I also look at the concepts and ideas regarding portfolio.

The web page 'Contact':



HOME          BLOG          RESUME          RESEARCH          CONTACT

**Get in touch**

Please feel free to contact me if you want any information regarding the work that I do. Any suggestions, queries and questions will be happily accepted.

Name:

Email:

Contact No.:

Message:

Send

**EMAIL**
madridistaabiral11@gmail.com
**MOBILE**
9843313366
**ADDRESS**
Boudha-6, Kathmandu, Nepal.

## Testing

    i. Test 1

| | |
|---|---|
| **Objective** | Arise error if the field are empty on the contact form |
| **Action** | The form fields are left empty and submitted. |
| **Expected Result** | Error dialog box appears. |
| **Actual Result** | Error arose when the fields were left empty. |
| **Conclusion** | Test successful. |

ii. Test 2

| Objective | To reach the links of any page linked in the Research page. |
|---|---|
| Action | The hyperlink on any given page on the Research page was clicked. |
| Expected Result | The linked page is reached. |
| Actual Result | The links of any given page linked in the Research page was reached. |
| Conclusion | Test successful. |
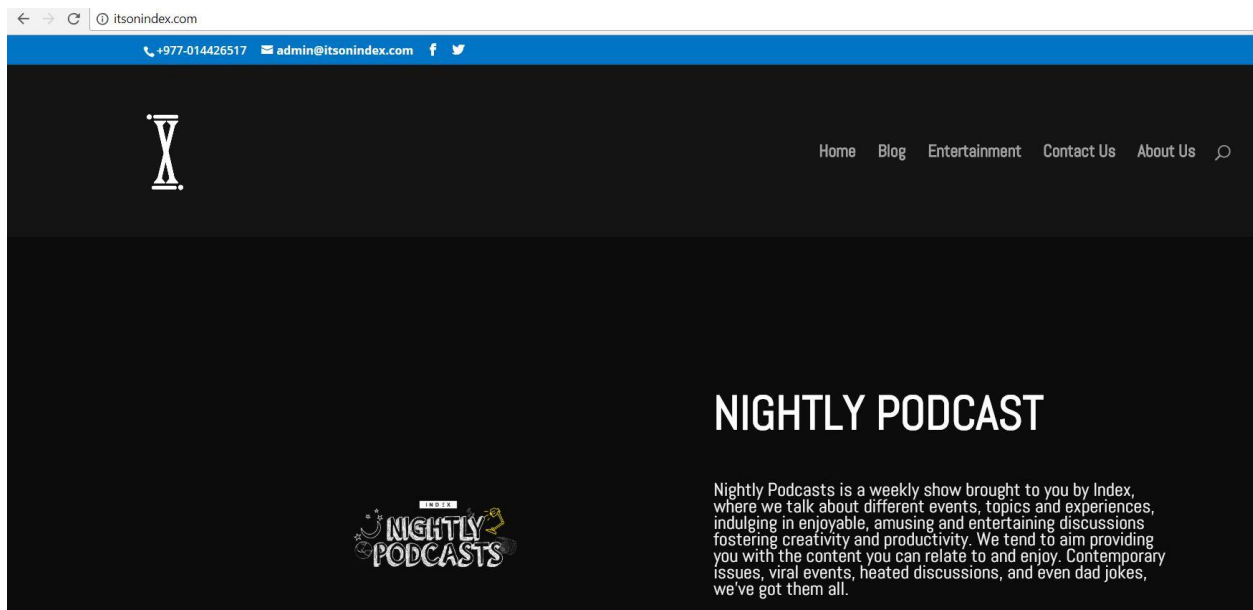
iii. Test 3

| Objective | Check the functionality of the navigation bar. |
|---|---|
| Action | From the Home page, the button to the Blog page was clicked. |
| Expected Result | Blog page is reached. |
| Actual Result | The Blog page was reached. |
| Conclusion | Test successful. |
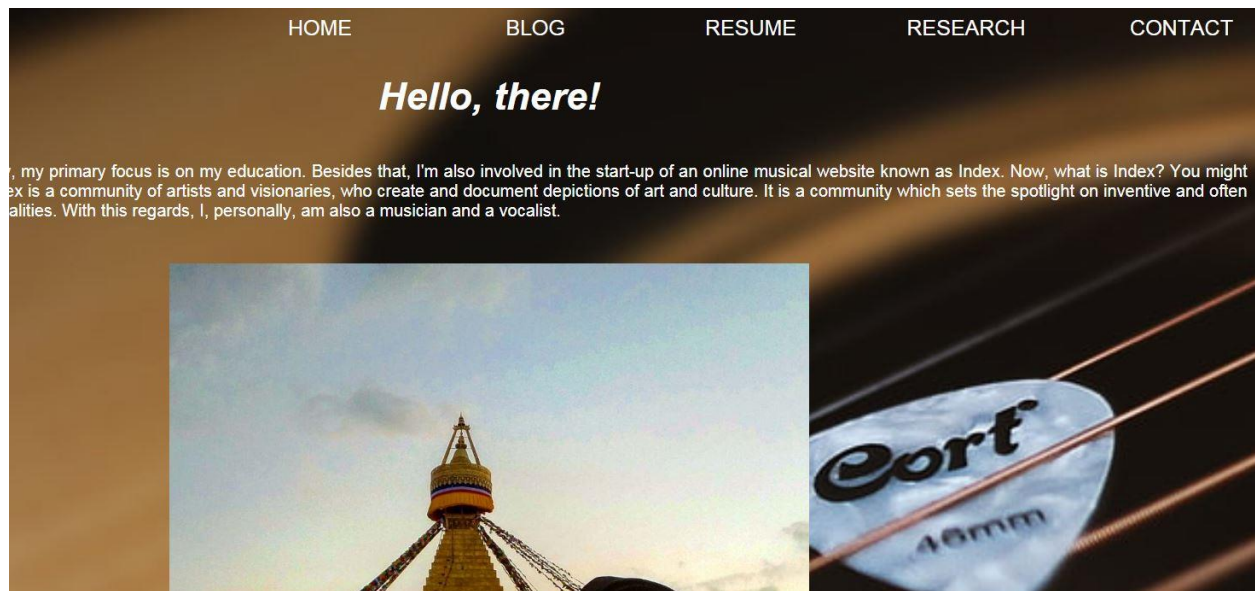
# *Affects of technology on our daily lives*

There have been many positive as well as negative changes and affects in our life due to technology.

Some of the positive and negative affects of technology are:

**Improvement in communication**

iv. Test 4

| Objective | Check the functionality of the CSS file. |
|---|---|
| Action | CSS file was implemented into the HTML files. |
| Expected Result | The pages are laid out and designed as coded on the CSS file. |
| Actual Result | The pages were laid out and designed as coded on the CSS file. |
| Conclusion | Test successful. |

```css
body {
    background: url('guitar.jpg');
    background-size: cover;
    font-family: Arial;
    color: white;

}
ul{
    margin: 0px;
    padding: 0px;
    list-style: none;
}
ul li {
    float: right;
    width: 200px;
    height: 40px;
    line-height: 40px;
    text-align: center;
    font-size: 20px;
    margin-right: 2px;
}
ul li a {
    text-decoration: none;
    color: white;
    display: block;
}
ul li a:hover {
    background-color: green;
}
#content{
    text-align: center;
    display: inline-block;
}
```

```
<!DOCTYPE html>
<html>
<link href="style.css" rel="stylesheet">
<head>
```



HOME      BLOG      RESUME      RESEARCH      CONTACT

## *Hello, there!*

I am Abiral Joshi Shrestha. Currently, my primary focus is on my education. Besides that, I'm also involved in the start-up of an online musical website known as Index. Now, what is Index? You might be wondering. In my own words, Index is a community of artists and visionaries, who create and document depictions of art and culture. It is a community which sets the spotlight on inventive and often controversial ideas as well as personalities. With this regards, I, personally, am also a musician and a vocalist.

v. Test 5

| Objective | Check the functionality of JavaScript coding for the form. |
|---|---|
| Action | The JavaScript for the form was coded and implemented. |
| Expected Result | Form with the implemented fields and style is created. |
| Actual Result | Form with the implemented fields and style was created. |
| Conclusion | Test successful. |

```html
<h1 style="font-size: 36px;"><em>Get in touch</em></h1>
 Please feel free to contact me if you want any information regarding the work that I do. Any suggestions,
 <form name="MessageForm" onsubmit="validateForm()">
 <p>Name: <input type="text" name="name"></p>
 <p>Email: <input type="text" name="email"></p>
 <p>Contact No.: <input type="text" name="contactno"></p>
 <p>Message: <br><textarea name="Message" rows="10" cols="30 placeholder="Enter Message"></textarea></p>
 <p><input type="submit" value="Send"></p>
 </form>
 <script>
     function validateForm() {
         var name = document.forms["MessageForm"]["name"].value;
         var email = document.forms["MessageForm"]["email"].value;
         var contactno =document.forms["MessageForm"]["contactno"].value;
         var message = document.forms["MessageForm"]["Message"].value;

         if (name == "" || email =="" || Message ==""){
         alert("Empty fields found, Please fill form.");
         }
         else{
         alert("Thank you for the feedback.");
         }
     }
 </script>
```

Name: _____

Email: _____

Contact No.: _____

Message:

_____

[Send]

## Conclusion

All the tasks in the coursework was finally completed through much trial and errors. The tasks assigned in the coursework were not easy at all. It required lots of labor and research. For the successful completion of all the tasks, each task was carried out in steps and multiple files were used. And lastly, the written code was tested to ensure that it had no bugs and errors and delivered accurate result. Finally, after completion of all the assigned tasks, submission was done.

This project didn't only complete all the tasks assigned, but also, helped in developing various skills and taught many things which can be really useful in future career as a web developer. While being involved in this project, sound knowledge of HTML, CSS and JavaScript was obtained. Valuable experience has been gained working on this project.  Although this project was intended for successful completion and submission of all the tasks assigned in the coursework, it doesn't mean it has limited purpose. It can be really useful to all the people who have curiosity about the web programming.

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