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BATCH: C

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EXPERIMENT-1. HTML

AIM: To create a static profile page using HTML5.

THEORY:

HTML:

HTML is the standard markup language for creating Web

pages.

• HTML stands for Hyper Text Markup Language.

• HTML describes the structure of a Web page.

• HTML consists of a series of elements.

• HTML elements tell the browser how to display the content.

• HTML elements are represented by tags.

• HTML tags label pieces of content such as "heading", "paragraph", "table",
   and so on.

• Browsers do not display the HTML tags, but use them to render the content
   of the page.

HTML TAGS:

• HTML tags are element names surrounded by angle brackets.

• HTML tags normally come in pairs like <p> and </p>.

• The first tag in a pair is the start tag, the second tag is the end tag.

• The end tag is written like the start tag, but with a forward slash inserted
   before the tag name.

1. The <!DOCTYPE html> declaration defines this document to be HTML5.

2. The <html> element is the root element of an HTML page.

3. The <head> element contains meta information about the document.

4. The <title> element specifies a title for the document.

5. The <body> element contains the visible page content.

6. Heading tag: HTML headings are defined with the <h1> to <h6> tags. <h1> defines the most important heading. <h6> defines the least important heading.

7. HTML Paragraphs: HTML paragraphs are defined with the <p> tag.

8. HTML Links: HTML links are defined with the <a> tag.
   The link's destination is specified in the href attribute.
   Example: This is a link

9. HTML Images: HTML images are defined with the <img> tag.
   The source file (src), alternative text (alt), width, and height are provided as attributes.
   Example:
   <img src="image.jpg" alt="google.com" width="104" height = "142">

10. HTML Lists: HTML lists are defined with the <ul> (unordered/bullet list) or the <ol> (ordered/numbered list) tag, followed by <li> tags (list items).

11. <b> - Bold text

12. <strong> - Important text

13. <i> - Italic text

14. <em> - Emphasized text

15. <mark> - Marked text

16. <small> - Small text

17. <del> - Deleted text

18. <ins> - Inserted text

19. <sub> - Subscript text

20. <sup> - Superscript text

21. HTML iframe Tag: The <iframe> tag specifies an inline frame. An inline frame is used to embed another document within the current HTML document.

22. HTML Forms: The HTML <form> element defines a form that is used to collect user input.

I. The <input> element can be displayed in several ways, depending on the type attribute.

II. The <button> element defines a clickable button.

III. The <select> element defines a drop-down list.

IV. <input type="radio"> defines a radio button.

V. <input type="submit"> defines a button for submitting the form data to a form-handler.

23. HTML Tables: An HTML table is defined with the <table> tag. Each table row is defined with the <tr> tag. A table header is defined with the <th> tag. By default, table headings are bold and centered. A table data/cell is defined with the <td> tag.

HTML ATTRIBUTES:

• All HTML elements can have attributes

• Attributes provide additional information about an element

• Attributes are always specified in the start tag

• Attributes usually come in name/value pairs like: name="value"

1. HTML links are defined with the <a> tag. The link address is specified in the href attribute.

2. HTML images are defined with the <img> tag. The filename of the image source is specified in the src attribute.

3. HTML images also have width and height attributes, which specifies the width and height of the image.

4. The alt attribute specifies an alternative text to be used, if an image cannot be displayed.

5. The style attribute is used to specify the styling of an element, like colour, font, size etc.

6. A title attribute is added to the <p> element. The value of the title attribute will be displayed as a tooltip when you mouse over the paragraph.

HTML CODE:

1. **resume.html:**

```
<!DOCTYPE htm>
<html>
    <head>
        <title>My Resume</title>
    </head>
    <body background = "Images/resume.jpg">
        <iframe    align="top"    height=    "30%"    width="40%"
        src="name.html" scrolling="no">
        </iframe>
        <iframe    align="top"    height=    "30%"    width="25%"
        src="dp.html" scrolling="no">
        </iframe>
        <iframe    align="right"    height=    "30%"    width="33.5%"
        src="contact.html" scrolling="no">
        </iframe>
        <iframe           src="profilepage.html"           height="69%"
        width="74%" align="right" name="iframe_a">
        </iframe>
```
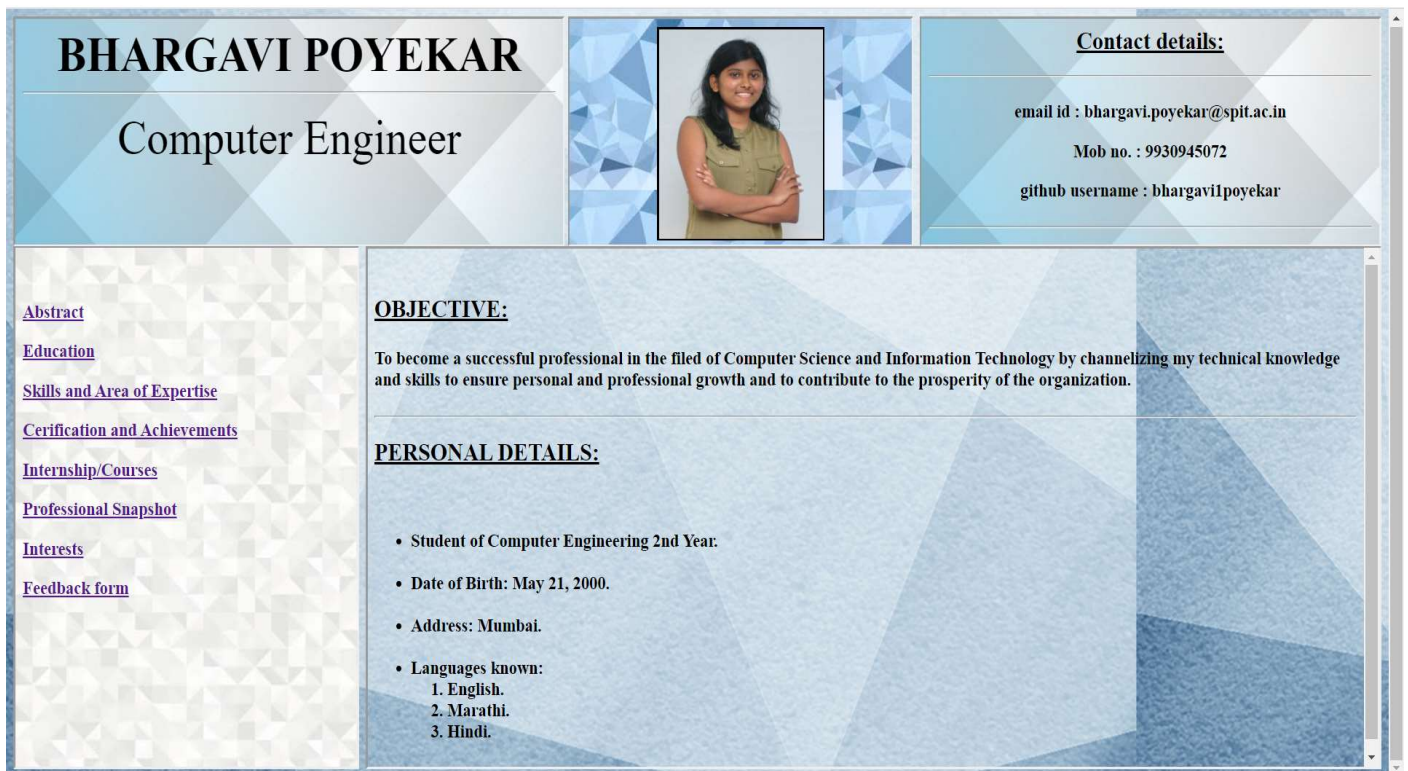
```
        <iframe   align="bottom"   height="69%"   width="25%"
        src="menu.html">
        </iframe>
    </body>
</html>
```

Screenshot:

2. name.html

```
<html>
    <head>
        <title>My Resume</title>
    </head>
    <body background = "Images/dpback.jpg">
        <center><font size="60px"><b>BHARGAVI POYEKAR
         </b> </font>
        </center><hr>
```

```
            <p><center><font size="7"> Computer Engineer </font>
            </center></p>

        </body>
</html>
```
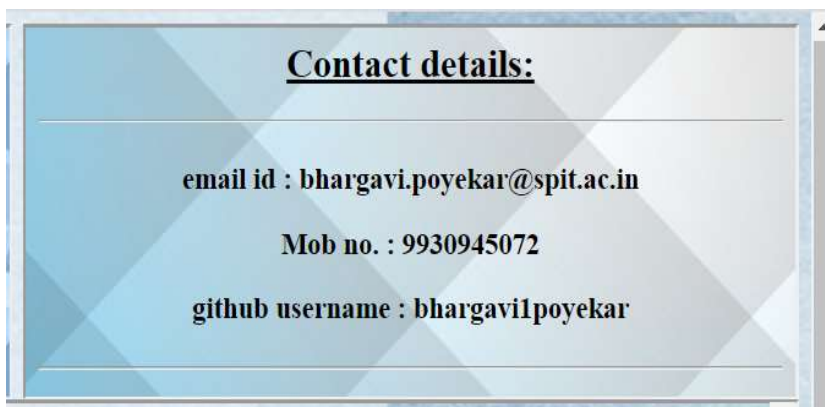
Screenshot:

3. **dp.html**

```
<!DOCTYPE htm>
<html>
        <head>
                <title><header>My Webpage</header></title>
        </head>
        <body background = "Images/name.jpg"><center>
                <img border="2" src="Images/dp.jpg" alt ="This is a
                profile picture"  height="100%" width="50%"></center>
         </body>
</html>
```

Screenshot:

4. contact.html

```
<html>
      <body background = "Images/dpback.jpg"><center>
            <p><h2><u>Contact details:</u></h2></p></center>
            <hr>
            <center><font size="4">
            <p>email id : bhargavi.poyekar@spit.ac.in</p>
            <p>Mob no. : 9930945072</p>
            <p>github username : bhargavi1poyekar</p>
            </font>
            </center>
            <hr>
      </body>
</html>
```
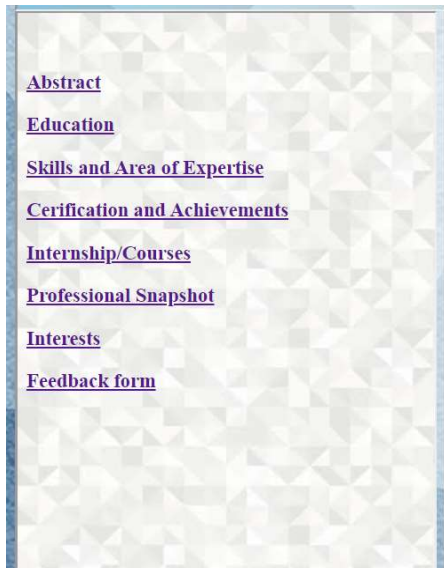
Screenshot:

5. menu.html

```
<html>
      <head></head>
      <body background = "Images/menu.jpg"><font size="4"> <br/>
         <p><a href="profilepage.html" target = "iframe_a" > Abstract
```

```
</a> </p>
<p><a href="education.html" target = "iframe_a" > Education
</a> </p>
<p><a href="computerskills.html" target="iframe_a">Skills
 and Area of Expertise</a></p>
<p><a href="achievements.html" target= "iframe_a" >
Cerification and Achievements </a></p>
<p><a href="courses.html" target= "iframe_a" > Internship /
Courses </a></p>
<p><a href="projects.html" target="iframe_a">Professional
Snapshot</a></p>
<p><a href="interests.html" target= "iframe_a" >Interests
</a> </p>
<p><a href="feedback.html" target="iframe_a">Feedback
form </a></p></font>
</body>
</html>
```

Screenshot:

6. profilepage.html

```html
<html>
    <body ><br/>
        <p ><h2><u>OBJECTIVE:</u></h2></p>
        <p><font size="4"> To become a successful professional
        in the filed of Computer Science and Information
        Technology by channelizing my technical knowledge and
        skills to ensure personal and professional growth and to
         contribute to the prosperity of the organization.
        </font></p>
        <hr>
        <h2><u>PERSONAL DETAILS:</u></h2>
        <br/>
        <p><font size="4">
        <ul>
            <li>Student of Computer Engineering 2nd
                Year.</li><br/>
            <li>Date of Birth: May 21, 2000.</li><br/>
            <li>Address: Mumbai.</li><br/>

            <li>Languages known:
                <ol>
                    <li>English.</li>
                    <li>Marathi.</li>
                    <li>Hindi.</li>
                <ol>
            </li>
        </ul>
        </font>
        </p>
        <hr>
    </body>
</html>
```
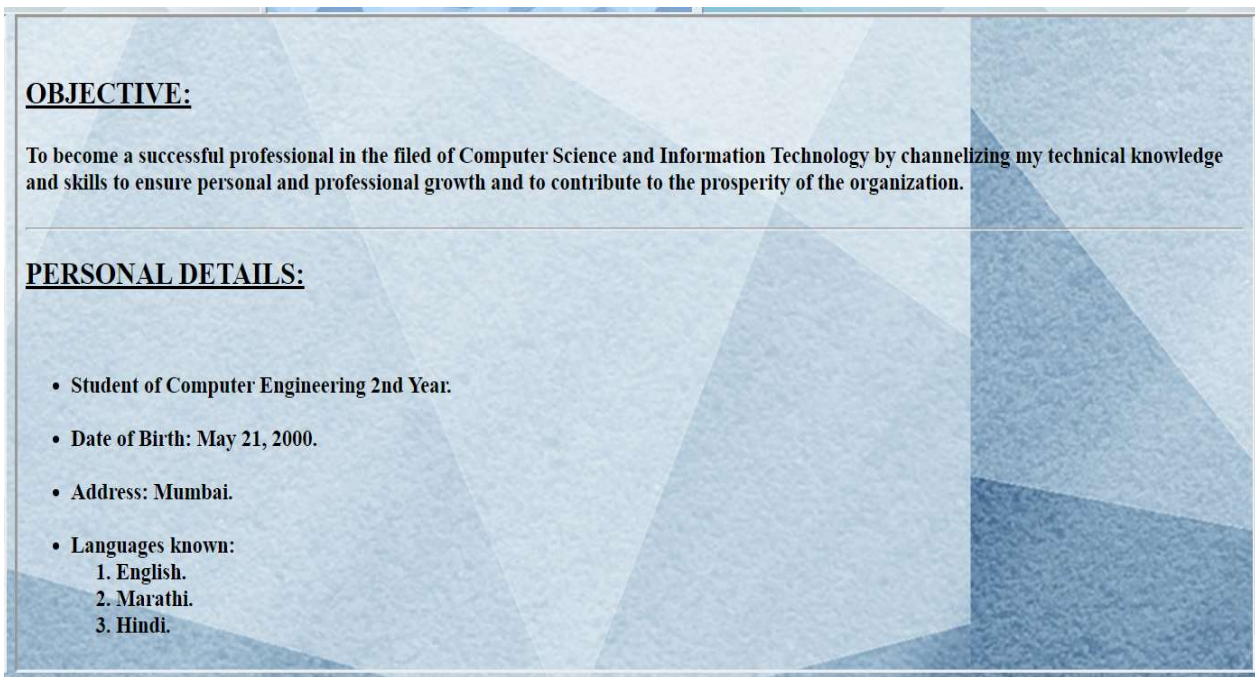
Screenshot:

7. education.html

```
<html>
<head></head>
<body >
 <br/>
     <h1 align="center"><u>Educational Details</u></h1>
     </br>
     <table border ="1" align ="center" height="70%" width =
     "70%"background = "Images/table.jpg">
     <font size="4">
          <tr align="center"><font size="4">
              <td><b>Qualification</b></td>
              <td><b>Year</b></td>
              <td><b>University</b></td>
              <td><b>Percentage/CGPA</b></td>

          </tr></font>
          <tr align="center">
              <td>First year engineering</td>
```

```html
                <td>May 2019</td>
                <td><a href="https://www.spit.ac.in/" target=
                "_blank">Sardar Patel Institute of Technology,
                Andheri. </a></td>
                <td>CGPA : 8.97</td>
            </tr>
            <tr align="center">
                <td>HSC</td>
                <td>February 2018</td>
                <td><a href="https://geis-m-h-high-school-and-
                junior-college.business.site/" target= "_blank" >M.
                H. Junior College, Thane</a></td>
                <td>93%</td>
            </tr>
            <tr align="center">
                <td>SSC</td>
                <td>March 2016</td>
                <td><a href="https://www.lfhschool.com/" target
                ="_blank"> L.F.H.S.,Thane</a></td>
                <td>94%</td>
            </tr>
            </font>
        </table>
    </body>
</html>
```

Screenshot:
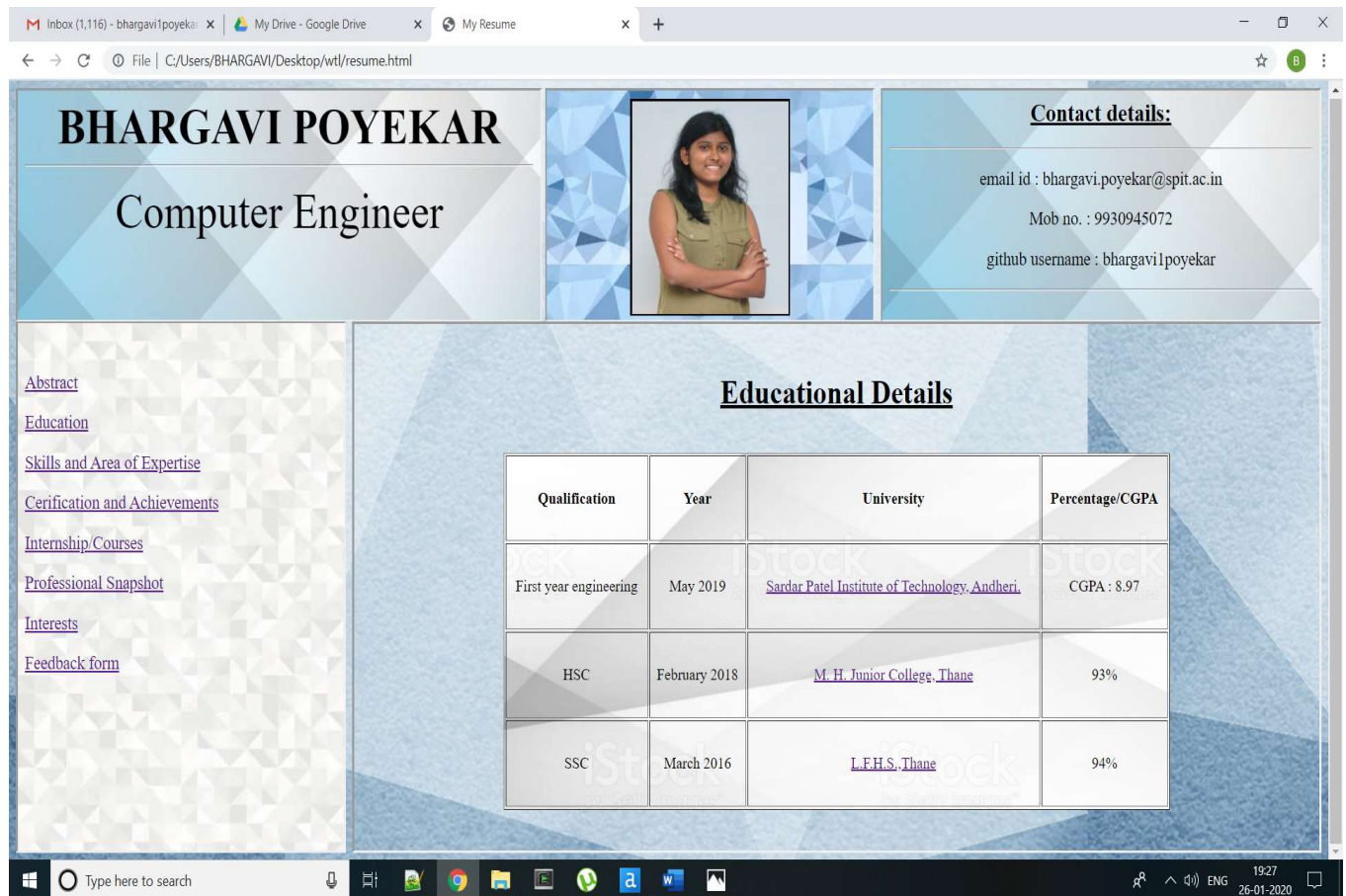
8. computerskills.html

```html
<html>
    <head></head>
    <body background = "Images/skills2.jpg"><h1 align="Center">
    <br/><u>TECHNICAL SKILLS</u> </h1><hr>
    <h3>Language Proficiency:</h3>
    <ul>
        <li>C</li><br/>
        <li>C++</li><br/>
        <li>Java</li><br/>
```

```html
        <li>Python</li><br/>
        <li>HTML/CSS</li><br/>
        <li>JavaScript</li><br/>
    </ul>
    <hr>
    <h3>Tools:</h3>
    <ul>
        <li>Android Studio</li><br/>
        <li>Eclipse</li><br/>
        <li>Automation Anywhere</li><br/>
        <li>Alteryx</li><br/>
        <li>Intellij</li><br/>
    </ul><hr>
    <h3>Database Management:</h3>
    <ul>
        <li>MySQL</li><br/>
        <li>Firebase</li>
    </ul><hr>
    </body>
</html>
```
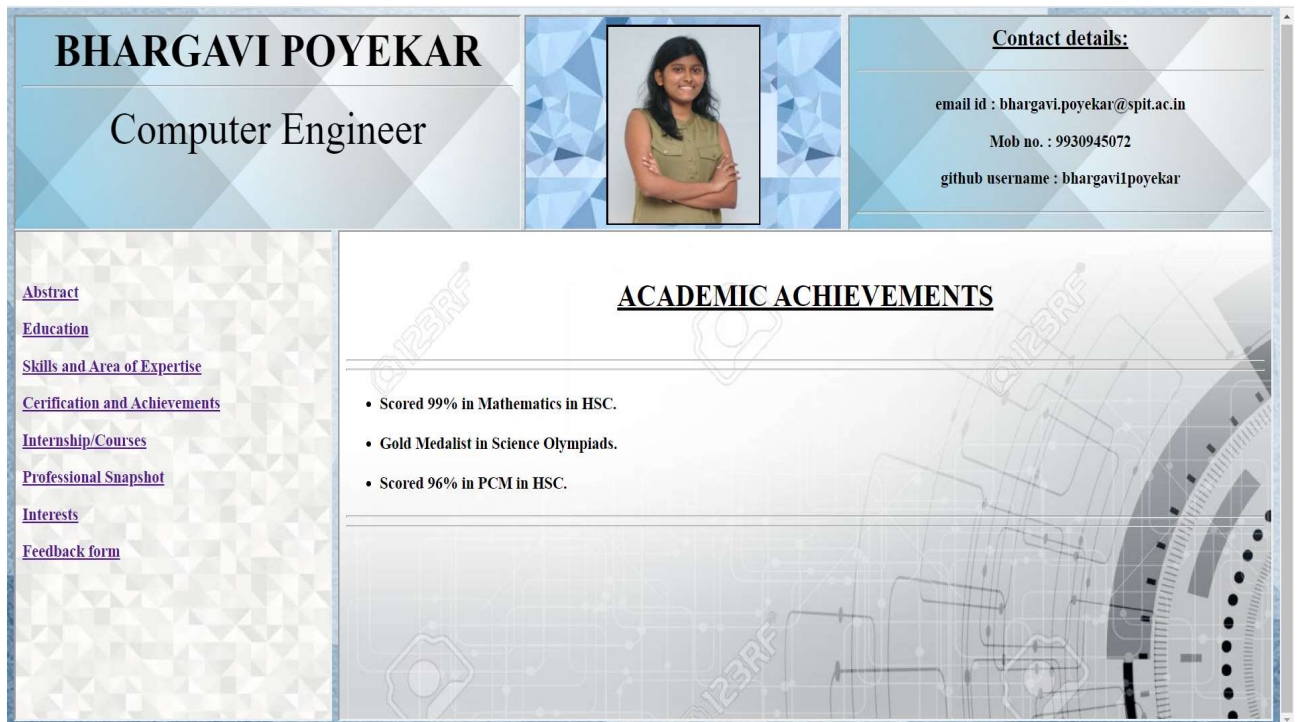
Screenshot:

BHARGAVI POYEKAR

Computer Engineer

Contact details:

email id : bhargavi.poyekar@spit.ac.in

Mob no. : 9930945072

github username : bhargavi1poyekar

Abstract

Education

Skills and Area of Expertise

Cerification and Achievements

Internship/Courses

Professional Snapshot

Interests

Feedback form

TECHNICAL SKILLS

Language Proficiency:

- C
- C++
- Java
- Python
- HTML/CSS
- JavaScript

Tools:

- Android Studio
- Eclipse

TECHNICAL SKILLS

Language Proficiency:

- C
- C++
- Java
- Python
- HTML/CSS
- JavaScript

Tools:

- Android Studio
- Eclipse
- Automation Anywhere
- Alteryx
- Intellij

Database Management:

- MySQL
- Firebase

9. achievements.html

```html
<html>
    <head></head>
    <body background = "Images/ach.jpg" >
    <br/>
    <h1 align="center"><u>ACADEMIC ACHIEVEMENTS</u></h1>
    </br>
    <hr><hr><font size="4">
    <ul>
        <li>Scored 99% in Mathematics in HSC.</li>
        </br>
        <li>Gold Medalist in Science Olympiads.</li>
        </br>
        <li>Scored 96% in PCM in HSC.</li>
    </ul>
    </font>
    <hr><hr>
    </body>
</html>
```
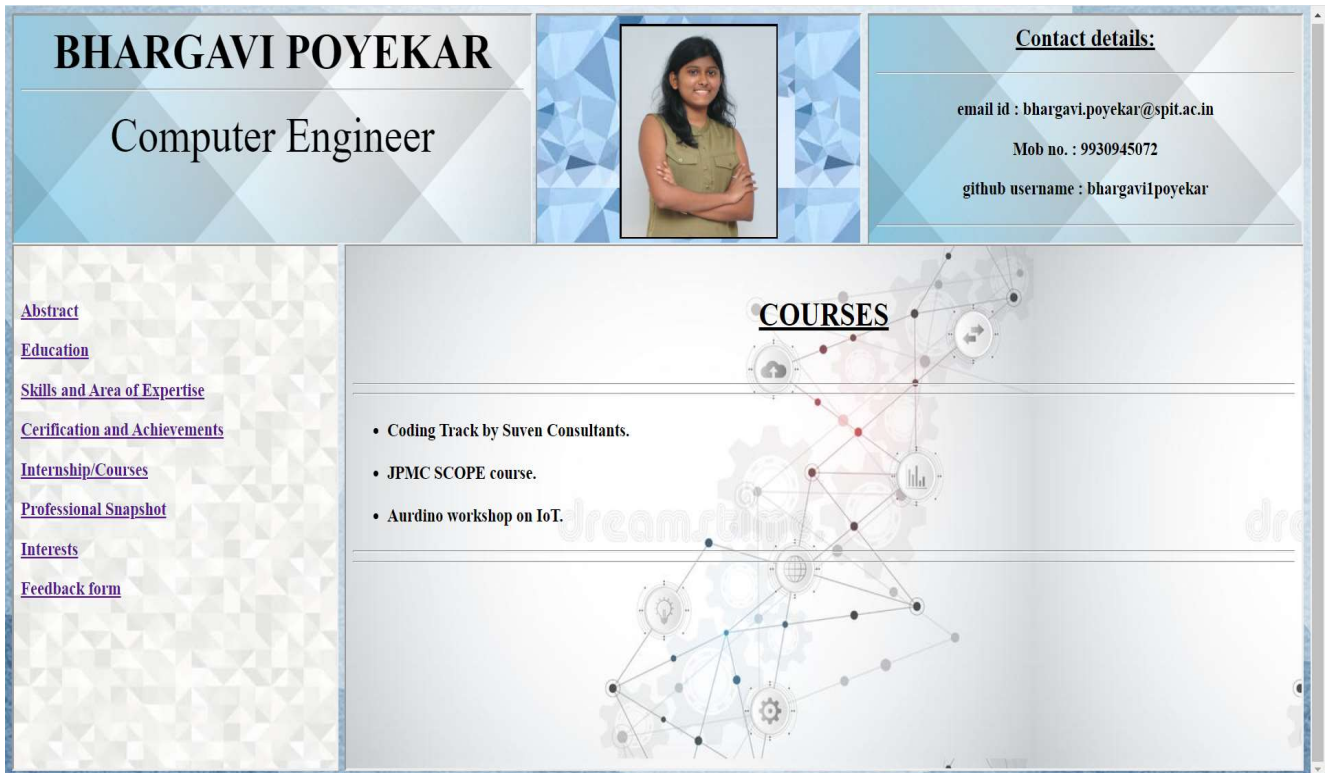
Screenshot:

10. courses.html

```html
<html>
        <head></head>
        <body background = "Images/courses.jpg">
        <br/>
        <h1 align="center"><u>COURSES</u></h1>
        </br><hr><hr>
        <ul><font size="4">
        <li>Coding Track by Suven Consultants.</li>
        <br/>
        <li>JPMC SCOPE course.</li>
        <br/>
        <li>Aurdino workshop on IoT.</li>
        </font>
        </ul>
        <hr><hr>
        </body>
</html>
```

Screenshot:

11. projects.html

```html
<html>
    <head></head>
    <body background = "Images/projects.jpg">
    <br/>
        <h1 align="center"><u>PROJECTS</u></h1>
        </br><hr><hr>
        <ul><font size="4">
            <li><b>Image Steganography app :</b>
            <p>An android application which hides a message into a cover image in such a way that someone cannot know the process or contents of the hidden message.</p>
            </li><hr>
            <li><b>Snake game in C :</b>
```

```html
            <p>A snake game using C graphics which contains a
object which is under user control and runs over the screen, and we
need to collect the food without touching borders.</p></li>
            <br/>
            </font>
        </ul>
        <hr><hr>
    </body>
</html>
```

Screenshot:

12. interests.html

```html
<html>
    <head></head>
    <body background = "Images/interests.jpg">
    <br/>
```

```html
<h1 align="center"><u>INTERESTS</u></h1>
</br><hr><hr>
<ul><font size="4">
    <li>Reading.</li>
    <br/>
    <li>Travelling.</li>
    <br/>
    <li>Art and Craft.</li>
    <br/>
    <li>Sketching.</li>
    <br/>
    </font>
</ul>
<hr><hr>
</body>
</html>
```

Screenshot:
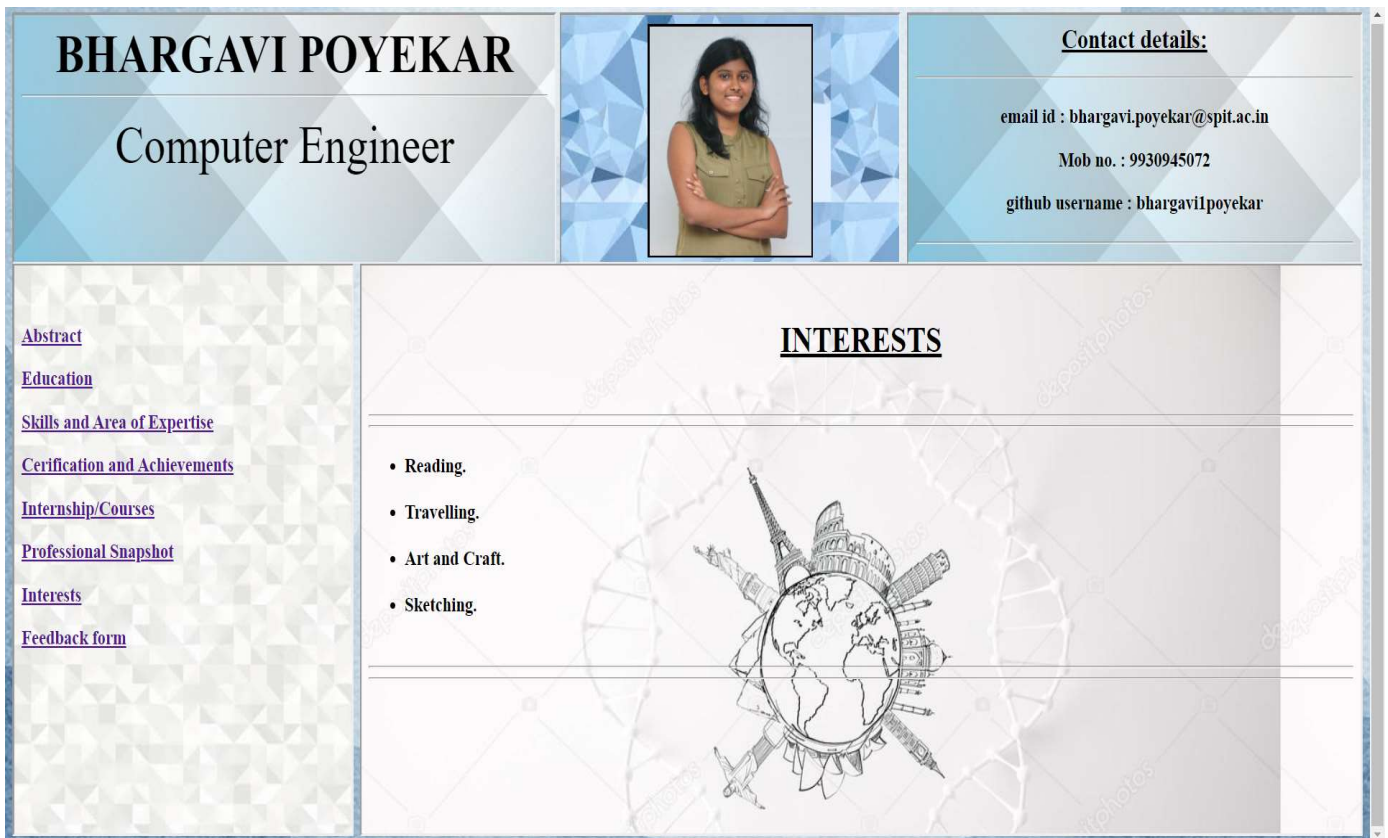
13. feedback.html

```html
<html>
    <head></head>
        <body background = "Images/resume.jpg"><br/>
        <center>
        <h1><u>FEEDBACK FORM</u></h1>
        </center>
        <form><h4>
        <fieldset>
        <legend>Personal Information</legend>
            <div><br/>
            <label>First name:</label>
            <input type="text" name="firstname" size="40"
placeholder="Enter your first name">

            <label>Last name:</label>
```

```html
            <input type="text" name="lastname" size="40"
placeholder="Enter your last name"><br/><br/>
            </div><label>Age:</label>
            <input type="number" name="age" size="30"
value="30">
            <label>Birthdate:</label>
            <input type="date" name="birthdate" size="30">
            </div>
            <br/><br/>
            <div>
            <label>Gender:</label><br/>
            <select name="gender">
            <option value="male">Male</option>
            <option value="female">Female</option>
            <option value="other">Other</option></select>
            </div>
            </fieldset>
            <br/>
            <fieldset>
            <legend>Contact Information</legend></br>
            <label>Email id:</label>
            <input type="text" name="emailid" size="50">
            <label>Contact No:</label>
            <input type="text" name="contact"
size="50"><br/><br/>
            </fieldset><br/>
            <div>
            <fieldset>
            <legend>Work Information</legend></br>
            <label>Company Name:</label>
            <input type="text" name="emailid" size="50">
            <label>Job Title:</label>
            <input type="text" name="contact"
size="50"><br/><br/>
            </fieldset>
            </div><br/>
            <fieldset>
            <legend>Rating</legend></br>
```

```html
        <p>How would you rate the appearance of the
website?</p>
            <input type="radio" name="rating"
value="Excellent" checked>Excellent
            <input type="radio" name="rating" value="Good">
Good
            <input type="radio" name="rating"
value="Average"> Average
            <input type="radio" name="rating" value="Not
satisfactory"> Not satisfactory</input>
            <br/>
            <p>How would you rate the content of the
website?</p>
            <input type="radio" name="rating2"
value="Excellent" checked>Excellent
            <input type="radio" name="rating2"
value="Good"> Good
            <input type="radio" name="rating2"
value="Average"> Average
            <input type="radio" name="rating2" value="Not
satisfactory"> Not satisfactory</input><br/><br/>
            <label>Suggestions:</label><br/><br/>
            <textarea name="message" rows="4" cols="120"
placeholder="Write any suggestions to
improve!!!"></textarea><br/><br/></fieldset>
            <br/><center>
            <input type="submit" value="Submit">
            </center>
            </h4>
        </form>
    </body>
</html>
```

CONCLUSION:

1. I understood how to use various tags and attributes in html.
2. I understood the concept of iframe in html.