Subject: 20CS2036L – Web Technology Lab

Lab Exercise: 3. Design a Webpage using HTML and CSS (Duration: 1.30 hours)

Create a webpage for user profile using proper HTML5 and CSS3. Page should have header, section and footer.

1. In header

    a. Add your profile photo and display your name using 'display' property. Align the text at the center. Set the font size: 48px and add text shadow effect.

2. In section

    a) Add a **banner image** and display the text over the banner image in left center.

    b) Add four **thumbnails** below the banner, each of the 4 sections should take up equal amount of space on the screen. As you make the browser window wider or narrower, each section should become wider or narrower. (Hint: use percentages to define width and use the 'display' property. Note the spacing between the images. Note the horizontal spacing between the edges of the images and edges of the browser window. Each thumbnail has a caption box that is positioned at the bottom. Set the background color to the boxes and the background color still allows the user to view the images and display the clickable menu items.

    c) Include DIV Section for About You

    d) Add a section which contains an image and text content side by side (vice versa). Use "opacity" and "float" wherever it is necessary.

    e) Borders and Colors: Each section should have a background color set to some color (of your Choice). Set the background color of each section title region to some unique color. Depending on the color you choose, you may want to change the color of the text so it can be easy to read. Set a red border on section title region that is 2px thick. (Hint: use margins and padding and use border-box as your box-sizing).

3. In footer display the contact details. Set the suitable background color and text color. Set font style: italic and align the text at center.

4. Your page must contain internal CSS code using <style> tag and inline styles (minimal numbers) and do not use External Style Sheet (will do it Exercise 4).

5. Use the mockup illustration page given below. Your result should look very close to the mockup.

6. Publish your website live on the web using some free web hosting services (000webhost)

PROGRAM :

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ex 3</title>
    <link rel="icon" type="image/x-icon" href="fav.jpg">
    <style>
        *{
            margin: 0px;
            padding:0px;
            box-sizing: border-box;
        }
        .headf1{
            background-color: blueviolet;
            height: 100px;
            text-align: center;
        }
        img{
            width: 100px;
            height: 100px;
            position: absolute;
            left: 0px;
        }
        #text{
            font-size: 48px;
            text-align: center;
            top: 50px;
            position: relative;
            text-shadow: 5px 5px gray;
        }
        .headf2{
            background-image: url('img2.jpg');
            height: 250px;
            background-size: cover;
            position: relative;
        }
        .f2{
            border: 5px  dashed  black;
            border-left: 5px dotted;
            height: 250px;
            width: 250px;
            background-color:pink;
            text-align: justify;
            padding: 20px;
            position: relative;
            left: 50px;
        }
        .sec2 {
            position: relative;
            display: flex;
            justify-content: space-between;
            background-color: rgb(255, 83, 255);
```

```css
}

.col {
  flex: 0.5;
  margin: 10px;
  position: relative;
}

.image{
  position: relative;
  width: 100%;
  height: 100%;
  object-fit: cover;
  background-color: #fff;
}

.txts {
  position: absolute;
  bottom: 0;
  background: rgba(0, 0, 0, 0.5);
  color: #fff;
  width: 100%;
  padding: 10px;
  border: 2px solid red;
  text-align: center;
}
.sec4 {
  position: relative;
  background-color: violet;
}
.sec4 .content4 img{
  position: relative;
  float: right;
  width: 250px;
  height: auto;
}
.sec4 h3 p{
  height:250px;
  position: absolute;
  text-align: justify;
}
.f5{
  background-color:rgb(255, 255, 255);
  height: 250px;
}
.f55{
  text-align: left;
  font-size: 30px;
}
.f555{
  text-align:justify;
  position: absolute;
}
.f5i{
  position: absolute;
  float: right;
```

```
      height: 250px;
      width: 250px;
      right: 0px;
    }
    .f6{
      background-color:rgb(245, 208, 90);
      height: 200px;
    }
    .f66{
      text-align: center;
      font-size: 30px;
      color: red;
      text-decoration: underline;
      position: relative;
      top:50px;
    }
    .f666{
      font-size: 22px;
      font-style: italic;
      text-align: center;
      position: relative;
      top:64px;
    }
  </style>
</head>
<body>
  <header>
    <div class="headf1">
      <img src="img1.jpeg" alt="our_logo">
      <div id="text">Hari kutty Companiesss</div>
    </div>
  </header>
  <div class="headf2">
    <div class="f2">Hi, I am Hari from Coimbatore, India. I studying in Karunya University as a AI Engineer Data.
Have learnt and used the classical Machine Learning algorithms and am eager to learn Deep Learning. Mostly
interested in using Deep Learning for NLP and structured data. I am looking forward to learning and sharing with
you all.</div>
  </div>
  <div class="sec2">
    <div class="col">
     <img class="image" src="html.png" alt="Image 1">
     <div class="txts">HTML</div>
    </div>
    <div class="col">
     <img class="image" src="css.png" alt="Image 2">
     <div class="txts">CSS</div>
    </div>
    <div class="col">
     <img class="image" src="js.jpg" alt="Image 3">
     <div class="txts">JAVA SCRIPT</div>
    </div>
    <div class="col">
     <img class="image" src="php.jpg" alt="Image 4">
     <div class="txts">PHP</div>
    </div>
  </div>
```

```
<div class="f4">
   <div class="f44"><b>About You</b></div>
   <div class="f444">Hello Everyone,
```

Greetings! I'm Hari, I studying in Karunya University as a AI Engineer Data. Have learnt and used the classical Machine Learning algorithms and am eager to learn Deep Learning. Mostly interested in using Deep Learning for NLP and structured data. I am looking forward to learning and sharing with you all.

Your passion for learning and your enthusiasm for sharing knowledge are admirable. As you embark on your Deep Learning journey, feel free to reach out for assistance, insights, or any questions you might have. Whether it's understanding complex concepts, exploring the latest advancements, or troubleshooting challenges, I'm here to support your endeavors.

Coimbatore, India, is a vibrant place, and I hope your academic and AI pursuits thrive in such an environment. Keep up the great work, and remember that continuous curiosity and collaboration are key in the dynamic field of artificial intelligence.

Looking forward to assisting you on your learning and sharing journey!

```
      </div>
   </div>
   <div class="sec4">
      <div class="content4"><h3>Your Intersets</h3>
        <img src="group.jpeg" alt="Group Pics">
      <p>TensorFlow:
```

Developed by Google, TensorFlow is an open-source machine learning framework that is widely used for deep learning projects. It provides a comprehensive ecosystem for building and deploying machine learning models, including support for neural networks and natural language processing.
PyTorch:
PyTorch, developed by Facebook, is another popular open-source deep learning library. It is known for its dynamic computation graph, making it particularly flexible and intuitive. PyTorch is widely used in research and industry for developing deep learning models.
Keras:
Keras is an open-source high-level neural networks API written in Python. It can run on top of TensorFlow, Theano, or Microsoft Cognitive Toolkit. Keras is known for its simplicity and ease of use, making it a great choice for beginners in deep learning.
scikit-learn:
While scikit-learn is primarily focused on classical machine learning, it is an excellent library for implementing and experimenting with various machine learning algorithms. It can be a valuable tool for tasks involving structured data.
Hugging Face Transformers:
Hugging Face provides an impressive library called Transformers that offers pre-trained models and a set of tools for working with state-of-the-art natural language processing models. It's a go-to resource for NLP tasks.

```
      </p>
   </div>
   </div>
   <div class="f6">
      <div class="f66"><b>Address</b></div>
      <div class="f666">Door No:177/52, Anna St,Mayiladuthurai Dt <br>TamilNadu-609001,India.</div>
   </div>
</body>
</html>
```

OUTPUT:

About You

Hello Everyone, Greetings! I'm Hari, I studying in Karunya University as a AI Engineer Data. Have learnt and used the classical Machine Learning algorithms and am eager to learn Deep Learning. Mostly interested in using Deep Learning for NLP and structured data. I am looking forward to learning and sharing with you all. Your passion for learning and your enthusiasm for sharing knowledge are admirable. As you embark on your Deep Learning journey, feel free to reach out for assistance, insights, or any questions you might have. Whether it's understanding complex concepts, exploring the latest advancements, or troubleshooting challenges, I'm here to support your endeavors. Coimbatore, India, is a vibrant place, and I hope your academic and AI pursuits thrive in such an environment. Keep up the great work, and remember that continuous curiosity and collaboration are key in the dynamic field of artificial intelligence. Looking forward to assisting you on your learning and sharing journey!

Your Intersets

TensorFlow: Developed by Google, TensorFlow is an open-source machine learning framework that is widely used for deep learning projects. It provides a comprehensive ecosystem for building and deploying machine learning models, including support for neural networks and natural language processing. PyTorch: PyTorch, developed by Facebook, is another popular open-source deep learning library. It is known for its dynamic computation graph, making it particularly flexible and intuitive. PyTorch is widely used in research and industry for developing deep learning models. Keras: Keras is an open-source high-level neural networks API written in Python. It can run on top of TensorFlow, Theano, or Microsoft Cognitive Toolkit. Keras is known for its simplicity and ease of use, making it a great choice for beginners in deep learning. scikit-learn: While scikit-learn is primarily focused on classical machine learning, it is an excellent library for implementing and experimenting with various machine learning algorithms. It can be a valuable tool for tasks involving structured data. Hugging Face Transformers: Hugging Face provides an impressive library called Transformers that offers pre-trained models and a set of tools for working with state-of-the-art natural language processing models. It's a go-to resource for NLP tasks.

Address

Door No:177/52, Anna St,Mayiladuthurai Dt
TamilNadu-609001,India.

RESULT :

webpage for user profile using proper HTML5 and CSS3. Page should have header,section and footer. Therefore, I created a webpage by working with HTML5 and CSS3 and executed it successfully