

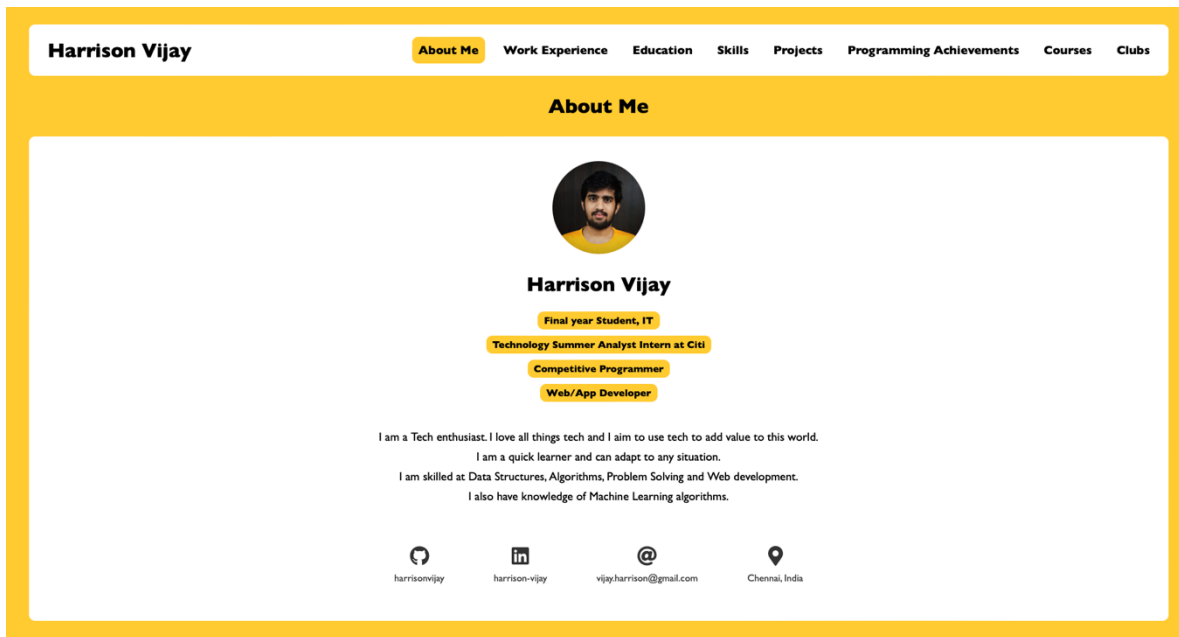
Ex. No: 3	Toggling Light Theme & Dark Theme
31/7/23	

Aim:

Design and implement a CSS with dark and light theme using Javascript(The default CSS shall be in light mode)

Design:

Target design :



Program :

index.html :

```

<!-- Index page of the Website -->

<!DOCTYPE html>

<html>
  <head>
    <title>
      Abdullah Sheriff
    </title>
  </head>

  <frameset rows="10%, 7%, 83%">
    <frame name="header" src="header.html" />
    <frame name="navbar" src="navbar.html" />
    <frame name="content" src="about.html" />
  </frameset>
</html>

```

about.html:

```

<!-- Landing page | Description of Abdullah Sheriff -->

<!DOCTYPE html>

<html>
  <head>
    <title>
      About
    </title>

    <link rel="stylesheet" href="styles/style.css" title="style1">
  </head>

  <body class="about">
    <div class="themes">
      <div class="position">
        <button onclick="toggleTheme('styles/style_light.css')">
          Light
        </button>
        <br/>
        <button onclick="toggleTheme('styles/style_dark.css')">
          Dark
        </button>
        <br/>
        <button onclick="toggleTheme('styles/style.css')">
          Funky
        </button>
      </div>
    </div>

    <br>
    <p>Dear Reader,</p>

    <p>My name is Abdullah Sheriff. </p>

    <p>
      <strong>I love exploring new tech, and sharing knowledge</strong>
with my colleagues. <br>I've implemented Genetic Algorithms to create a
Timetable Generator to reduce time taken by Professors in Universities from 2
hours to 2 minutes. <br>I share my notes on AI, Statistics, Machine Learning,
Data Structures with 500+ 1st and 2nd year Students. Why do I do it? I love
juniors.
    </p>

```

```

    <p>
        When someone is confused about a concept, I love letting them into my
        level of knowledge – to discover the beauty & purpose of that concept. I relish
        the &#39;Aaaaah&#39; moments.
    </p>

    <p>
        <strong>I love documentation.</strong> I take notes for everything –
        lectures, seminars, advice, you name it.
    </p>

    <br>

    <p>
        I&#39;m interested in Agriculture, so I applied for a research
        project, and was granted with the &#39;First Agricultural Lab&#39; facility and
        Rs. 12 k to get started! It&#39;s called Intelligent Digital Farm, a comparison
        between Hydroponics, Soil-less and Soil-based methods.
    </p>

    <p>
        I write poems, beatbox, rap, dance, and explore things I&#39;ve never
        done before.
    </p>
</body>
</html>

```

achievements.html:

```

<!-- Description of Achievements -->

<!DOCTYPE html>

<html>
    <head>
        <title>
            Achievements
        </title>

        <link rel="stylesheet" href="styles/style.css" title="style1">
    </head>

    <body>
        <table>
            <caption>
                Achievements
            </caption>

```

```

<thead>
  <th>S. No.</th>
  <th>Date</th>
  <th>Award</th>
  <th>Effort</th>
  <th>Description</th>
</thead>
<tbody>
  <tr>
    <td>1</td>
    <td>28/03/2023</td>
    <td>1st Prize: Mock Placements</td>
    <td>Cleared 3 rounds</td>
    <td>Won a Mock Placement (IT) event conducted by Department
of ECE, SSNCE. Cleared written round, HR round, & technical round.</td>
  </tr>
  <tr>
    <td>2</td>
    <td>10/01/2023</td>
    <td>2nd Prize: NITT-Datanetiix Hackathon</td>
    <td>TIGER | Timetable Generator</td>
    <td>Won a 2-day Hackathon at NIT-Trichy for TIGER.</td>
  </tr>
  <tr>
    <td>3</td>
    <td>Jul 2021</td>
    <td>Merit Award</td>
    <td>Academic Excellence</td>
    <td>School Top 10 in Class 12 CBSE Board Examinations.</td>
  </tr>
  <tr>
    <td>4</td>
    <td>Jun 2020</td>
    <td>Flair Award</td>
    <td>Excellence in Co-Curricular Activities</td>
    <td>Winning House Captian | Winner of 20+ Cultural
Competitions in IIT-M, NIT-T, Anna University, SRM, & more.</td>
  </tr>
  <tr>
    <td>4</td>
    <td>May 2019</td>
    <td>Merit Award</td>
    <td>Academic Excellence</td>
    <td>School Top 10 in Class 10 CBSE Board Examinations.</td>
  </tr>
</tbody>
</table>
</body>

```

```
</html>
```

clubs.html:

```
<!-- Details of Enrolled Clubs -->

<!DOCTYPE html>

<html>
  <head>
    <title>
      Clubs
    </title>

    <link rel="stylesheet" href="styles/style.css" title="style1">
  </head>

  <body class="clubs">
    <div>
      
      <p>
        <h3><small>NSS of SNUC,</small> Lead Student Volunteer</h3>
        <ul>
          <li>130+ hours of community work.
          <li>Participated in 5 beach clean-ups.
          <li>Presented 2 seminars on social topics.
          <li>15+ hours of administration work for NSS-SNUC.
          <li>Organised visit to old-age home for destitute women.
          Conducted quiz, song, dance, and a BINGO session to entertain 75+ inmates, with
          Lions Club.
        </ul>
      </p>
    </div>

    <hr>

    <div>
      
      <p>
        <h3><small>SNUC Coding Club,</small> Core Committee Member</h3>
      </p>

      <video id="lecture1-video" src="videos/lecture_recording_dsa.mp4"
      width="45%" alt="Recording of DSA Lecture"
      poster="images/dsa_lecture_thumbnail.png" controls></video>
```

```

        <video id="lecture2-video" src="videos/lecture_recording_coa.mp4"
width="45%" alt="Recording of COA Lecture"
poster="images/coa_lecture_thumbnail.png" controls></video>

        <ul>
            <li>Organised 6+ hours of revision sessions on Python, C
Programming, & DSA.
        </li>
        </ul>

    </div>

    <hr>

    <div>
        
        <p>
            <h3><small>SSN Google Developer Student Club,</small> App
Developer</h3>
            <ul>
                <li>Worked on SSN's Mobile Application.
            </li>
            </ul>
        </p>
    </div>

    <hr>

    <div>
        
        <p>
            <h3><small>SSN Coding Club,</small> Open-Source Developer</h3>
            <ul>
                <li>Worked on CodeForces (CF) Progress Tracker, to track
1000+ Competitive Programmers on the CF Platform.
            </li>
            </ul>
        </p>
    </div>
</body>
</html>

```

contact.html:

```

<!-- Link to Abdullah Sheriff's Profile in major coding platforms & social media
-->

<!DOCTYPE html>

<html>

```

```

<head>
  <title>Contact</title>

  <link rel="stylesheet" href="styles/style.css" title="style1">
</head>

<body>
  <nav class="grid-container">
    <div class="grid-item">GitHub: <br><a
href="https://github.com/SheriffAbdullah"
target="blank_">SheriffAbdullah</a></div>
    <div class="grid-item">LinkedIn: <br><a
href="https://www.linkedin.com/in/abdullahshf/"
target="blank_">AbdullahShf</a></div>
    <div class="grid-item">Gmail: <br><a
href="mailto:sheriffabdullahcontact@gmail.com"
target="blank_">sheriffabdullahcontact@gmail.com</a></div>
    <div class="grid-item">Instagram: <br><a
href="https://www.instagram.com/sheriffabdullah_"
target="blank_">@sheriffabdullah_</a></div>
    <div class="grid-item">HackerRank: <br><a
href="https://www.hackerrank.com/AbdullahSheriff"
target="blank_">AbdullahSheriff</a></div>
    <div class="grid-item">CodeForces: <br><a
href="https://codeforces.com/profile/SheriffAbdullah"
target="blank_">SheriffAbdullah</a></div>
    <div class="grid-item">Twitter: <br><a
href="https://twitter.com/sheriffabd_" target="blank_">@sheriffabd_</a></div>
  </nav>

</body>
</html>

```

courses.html:

```

<!-- Details of Certification Courses Completed -->

<!DOCTYPE html>

<html>
  <head>
    <title>
      Courses
    </title>

    <link rel="stylesheet" href="styles/style.css" title="style1">
  </head>

```



```

<body>
  <table>
    <caption>
      Certification Courses
    </caption>

    <thead>
      <th>S. No.</th>
      <th>Date</th>
      <th>Title</th>
      <th>Platform</th>
    </thead>

    <tbody>
      <td>1</td>
      <td>Jul 2022</td>
      <td>Java for Beginners</td>
      <td>Professional Institute of Development Studies</td>
    </tbody>

    <tbody>
      <td>2</td>
      <td>Aug 2021</td>
      <td>Programming in C/C++</td>
      <td>FITA Academy</td>
    </tbody>

    <tbody>
      <td>3</td>
      <td>Dec 2018</td>
      <td>International Prize of Excellence | DELF A2 Junior
Examinations</td>
      <td>Alliance Française of Madras</td>
    </tbody>
  </table>
</body>
</html>

```

education.html:

```

<!-- Details of Education -->

<!DOCTYPE html>

<html>
  <head>

```

```

<title>
    Education
</title>

<link rel="stylesheet" href="styles/style.css" title="style1">
</head>

<body>
    <table>
        <caption>
            Educational Qualifications
        </caption>
        <thead>
            <th>Qualification</th>
            <th>Institution</th>
            <th>Board</th>
            <th>Year of Passing</th>
            <th>Percentage / CGPA</th>
        </thead>

        <tbody>
            <tr>
                <td>Bachelor of Technology, Artificial Intelligence and Data
Science</td>
                <td>Shiv Nadar University Chennai</td>
                <td>AICTE</td>
                <td>2025</td>
                <td>9.208 CGPA</td>
            </tr>
            <tr>
                <td>Class 12</td>
                <td>Alpha CBSE School, CIT Nagar</td>
                <td>CBSE</td>
                <td>2021</td>
                <td>93.2%</td>
            </tr>
            <tr>
                <td>Class 10</td>
                <td>Alpha CBSE School, CIT Nagar</td>
                <td>CBSE</td>
                <td>2019</td>
                <td>93.6%</td>
            </tr>
        </tbody>
    </table>
</body>
</html>

```

experience.html:

```
<!-- Details of Work Experience -->

<!DOCTYPE html>

<html>
  <head>
    <title>
      Work Experience
    </title>

    <link rel="stylesheet" href="styles/style.css" title="style1">
  </head>

  <body>
    <div class="experience">
      
      <p>
        <h3>ThinkPalm Technologies Private Limited</h3>
        Artificial Intelligence Intern<br>
        May 2023 - Jul 2023<br>
      </p>
    </div>

    <hr><div></div>

    <div class="experience">
      
      <p>
        <h3>Dream Big Buddy LLC</h3>
        Technology Development Intern<br>
        Jan 2023 - Present<br>
      </p>
    </div>

    <div></div><hr>

    <div class="experience">
      
      <p>
        <h3>Speech Laboratory, SNUC &nbsp;x&nbsp; Indic TTS, an IIT-
        Madras Consortium</h3>
        Research Intern | Under the guidance of Dr. T. Nagarajan<br>
        Sep 2022 - Oct 2022<br>
      </p>
    </div>
```

```

        <hr><div></div>

        <div class="experience">
            
            <p>
                <h3>ProPhoenix Consultancy Services & Chenosa Technology
Solutions</h3>
                App Developer Intern<br>
                Jun 2022 - Jul 2022<br>
            </p>
        </div>
    </body>
</html>

```

header.html:

```

<!-- Header of the Webpage | Top-most frame -->

<!DOCTYPE html>
<html>
    <head>
        <title>
            Header
        </title>

        <link rel="stylesheet" href="styles/style.css" title="style1">
    </head>

    <body class="main-header">
        <header>
            <marquee>
                <h1>Abdullah Sheriff</h1>
            </marquee>
        </header>
    </body>
</html>

```

hobbies.html:

```

<!-- Details of Hobbies with Examples -->

<!DOCTYPE html>

<html>
    <head>

```

```

<title>
    Hobbies
</title>

<link rel="stylesheet" href="styles/style.css" title="style1">
</head>

<body>
    <div id="hobby-list" class="hobbies">
        <p>
            My hobbies include:<br>
            <ol>
                <li><a href="#hobby1">Poetry</a></li>
                <li><a href="#hobby2">Beatboxing</a></li>
                <li><a href="#hobby3">Music & Rap</a></li>
                <li><a href="#hobby4">Dancing</a></li>
            </ol>
        </p>
    </div>

    <div id="hobby1" class="hobbies">
        <h3>Poetry</h3>
        <iframe width="70%" height="400"
src="https://hellopoetry.com/MARS/"></iframe>
        <br>
        <a href="https://hellopoetry.com/MARS/">Link to my Poetry Page</a>
        <br>
    </div>

    <div id="hobby2" class="hobbies">
        <h3>Beatboxing</h3>
        <iframe width="560" height="315"
src="https://www.youtube.com/embed/2rh6tRxU4e8" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>
    </div>

    <div id="hobby3" class="hobbies">
        <h3>Music & Rap</h3>
        <iframe width="560" height="315"
src="https://www.youtube.com/embed/mLIR3H-I8j4" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>
    </div>

    <div id="hobby4" class="hobbies">
        <h3>Dancing</h3>

```

```

        <video width="560" height="315" src="videos/dance_recording.mp4"
alt="Abdullah's Dance Performance" frameborder="0" controls></video>
    </div>

    <br>

    <a href="#hobby-list" id="up-arrow"></a>
</body>
</html>

```

navbar.html:

```

<!-- Navigation bar linking all sections | Middle frame -->

<!DOCTYPE html>

<html>
    <head>
        <title>
            Navigation Bar
        </title>

        <link rel="stylesheet" href="styles/style.css" title="style1">
    </head>

    <body class="navbar">
        <nav>
            <a href="about.html"           target="content">About Me</a>
            <a href="education.html"       target="content">Education</a>
            <a href="courses.html"         target="content">Courses</a>
            <a href="achievements.html"     target="content">Achievements</a>
            <a href="hobbies.html"          target="content">Hobbies</a>
            <a href="experience.html"        target="content">Experience</a>
            <a href="projects.html"         target="content">Projects</a>
            <a href="skills.html"           target="content">Skills</a>
            <a href="clubs.html"            target="content">Clubs</a>
            <a href="contact.html"          target="content">Contact</a>
        </nav>
    </body>
</html>

```

projects.html:

```

<!-- Description of Projects -->

```

```

<!DOCTYPE html>

<html>
  <head>
    <title>
      Projects
    </title>

    <link rel="stylesheet" href="styles/style.css" title="style1">

    <!-- Online stylesheet link to enable 'FontAwesome' logos - for GitHub &
    Globe Logo. Refer to FontAwesome documentation. -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
    awesome/4.7.0/css/font-awesome.min.css">
  </head>

  <body>
    <div class="project">
      <h3>ATTEND | Digital Attendance System</h3>
      <p>
        <u>Members</u>: Joshua Bharathi, Rudra Panda, K Lohith Saradhi
        <mark>Abdullah Sheriff</mark><br>

        <u>Description</u>: <em>Ongoing.</em> A sub-system of <em>GRAS:
        Group Attendance System</em>, designed to enable an digital roll-call and
        attendance tracking.
      </p>
    </div>

    <div class="project">
      <h3>TPFit</h3>
      <p>
        <u>Members</u>: <mark>Abdullah Sheriff</mark><br>

        <u>Description</u>: <em>Proprietary.</em> A Real-time Browser-
        based Fitness Monitoring System using Pose Estimation, created during my
        internship with ThinkPalm Technologies. Latest version (v4) currently supports
        Lunges.
      </p>
    </div>

    <div class="project">
      <h3>Notes Website | <a href="https://abdullahsheriff.netlify.app/"
      target="blank_"><i id="project3" class="fa fa-globe"></i></a></h3>
      <p>
        <u>Members</u>: Akash Rangesh, <mark>Abdullah Sheriff</mark><br>

```

```

        <u>Description</u>: Lecture notes & Formula Sheet for <strong>20+
subjects, with 500+ visitors</strong> every month.
    </p>
</div>

    <div class="project">
        <h3>TIGER | Timetable Generator | <a
href="https://github.com/SheriffAbdullah/TIGER" target="blank_"><i id="project4"
class="fa fa-github"></i></a></h3>
        <p>
            <u>Members</u>: K Lohith Saradhi, <mark>Abdullah
Sheriff</mark><br>

            <u>Description</u>: Proprietary Timetable Generator with
Professor Preferences using <strong>Genetic Algorithms</strong> to generate timetables in
0.1s</strong>, using Python3 and libraries: numpy, Tkinter.
        </p>
    </div>

    <div class="project">
        <h3>Statistical Handwritten Digits Classifier | <a
href="https://github.com/SheriffAbdullah/StatisticsBasedHandwrittenDigitRecogniti
on" target="blank_"><i id="project5" class="fa fa-github"></i></a></h3>
        <p>
            <u>Members</u>: Akhshan P, K Lohith Saradhi, <mark>Abdullah
Sheriff</mark><br>

            <u>Description</u>: Coded a <strong>light-weight</strong>
statistics-based handwritten digit classifier with <strong>8</strong> samples of each
digit 0-9 as training data</strong> in Vanilla Python, with PIL & numpy.
        </p>
    </div>
</body>
</html>

```

skills.html:

```

<!-- Description of Skills in Tabular format -->

<!DOCTYPE html>

<html>
    <head>
        <title>
            Skills
        </title>

```



```

    <link rel="stylesheet" href="styles/style.css" title="style1">
</head>

<body>
    <table>
        <thead>
            <th>Category</th>
            <th>Competency</th>
            <th>Skill</th>
        </thead>

        <tbody>
            <caption>
                Skills
            </caption>
            <tr>
                <td rowspan="3">Programming Language</td>
                <td>Experienced</td>
                <td>Python, C</td>
            </tr>
            <tr>
                <td>Familiar</td>
                <td>C++, HTML, MySQL</td>
            </tr>
            <tr>
                <td>Beginner</td>
                <td>Java</td>
            </tr>

            <tr>
                <td>Frameworks & Tools</td>
                <td>--</td>
                <td>Tableau, LaTeX</td>
            </tr>

            <tr>
                <td>Mathematics</td>
                <td>--</td>
                <td>Linear Algebra, Discrete Mathematics, Statistical
Inference</td>
            </tr>

            <tr>
                <td>AI / ML / Data Science</td>
                <td>--</td>
                <td>Artificial Intelligence, Machine learning, Data
Mining</td>
            </tr>
        </tbody>
    </table>
</body>

```

```

        <tr>
            <td>Computer Science</td>
            <td>--</td>
            <td>Data Structures and Algorithms, DBMS, Operating Systems,
Computer Organisation & Architecture, Object-oriented Programming</td>
        </tr>
    </tbody>
</table>
</body>
</html>

```

Styles/style.css :

```

/* Styling for all pages */

*{
    box-sizing: border-box;
}

body {
    background-color: #EEEEEE;
    text-align: left;
}

div {
    padding: 15px;
}

ul {
    list-style: none;
}

caption {
    font-weight: bold;
    padding: 10px;
    caption-side: bottom;
}

table {
    margin-left: auto;
    margin-right: auto;
    padding: 20px;
    border-collapse: collapse;
    border: 2px solid #393E46 !important;
    letter-spacing: 1px;
    font-family: sans-serif;
}

```

```

        font-size: 0.8rem;
        vertical-align: center;
    }

    td,
    th {
        border: 1px solid rgb(190, 190, 190);
        padding: 7px 5px;
        text-align: center;
    }

    th {
        background-color: rgb(235, 235, 235);
        text-align: center;
    }

    tr:nth-child(even) td {
        background-color: rgb(250, 250, 250);
    }

    tr:nth-child(odd) td {
        background-color: rgb(240, 240, 240);
    }

/* header.html */

.main-header {
    background-color: #00ADB5;
    text-align: center;
    color: #EEEEEE;
    vertical-align: center;
    margin: 0;
}

/* clubs.html */

.clubs {
    text-align: center;
}

img.clubs {
    height: 100px;
}

/* navbar.html */

```

```
.navbar {
  background-color: #393E46;
  overflow: hidden;
  vertical-align: central;
  margin: 0.7%;
}

.navbar a {
  display: block;
  color: #EEEEEE;
  text-decoration: none;
  padding: 11px 15px;
  float: left;
  width: 10%;
  overflow: hidden;
}

.navbar a:hover {
  background-color: #EEEEEE;
  color: #393E46;
  border-radius: 5px;
}

/* experience.html */

.experience:nth-child(odd) {
  background-color: #222831;
  color: #EEEEEE;
  padding: 10px 10px 10px 10px;
}

.experience:nth-child(even) {
  background-color: #EEEEEE;
  color: #222831;
  padding: 10px 10px 10px 10px;
}

/* about.html */

img.about {
  width: 150px;
  border-radius: 500px;
  border: 5px solid #00ADB5;
  float: left;
  margin: 32px 34px 10px 10px;
```

```
}

.about {
  margin: 0 0 0 20px;
}

/* hobbies.html */

div.hobbies {
  padding: 5px 10px 10px 10px;
}

#hobby1 {
  font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif;
}

#hobby2 {
  font-family: Impact, Haettenschweiler, 'Arial Narrow Bold', sans-serif;
  letter-spacing: 1px;
  text-transform: uppercase;
  background-color: #222831;
  color: #EEEEEE;
}

#hobby3 {
  font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
  font-weight: 900;
}

#hobby4 {
  font-family: Verdana, Geneva, Tahoma, sans-serif;
  letter-spacing: 1px;
  text-transform: uppercase;
  background-color: #222831;
  color: #EEEEEE;
}

#up-arrow {
  float: right;
  margin-bottom: 20px;
  margin-right: 20px;
}
```

```
/* projects.html */

#project3 {
  color: #222831;
}

#project4 {
  color: #EEEEEE;
}

#project5 {
  color: #222831;
}

div.project:nth-child(even) {
  background-color: #222831;
  color: #EEEEEE;
}

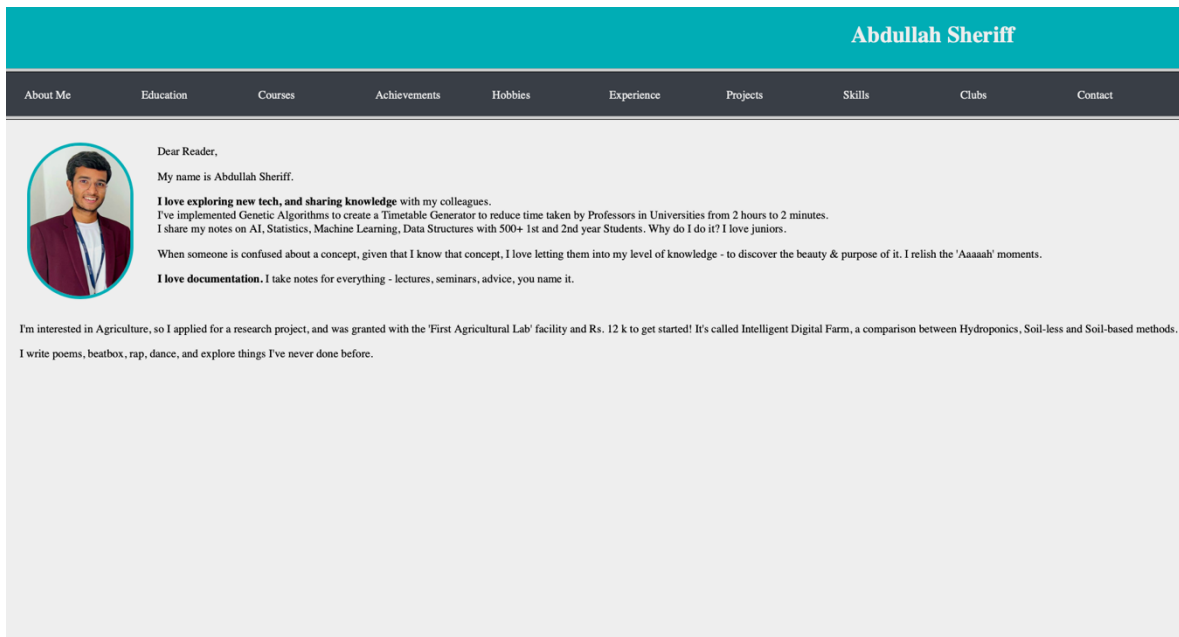
/* contact.html */

.grid-container {
  display: grid;
  grid-template-columns: 30% 30% 30%;
  padding: 20px;
  font-size: 15px;
}

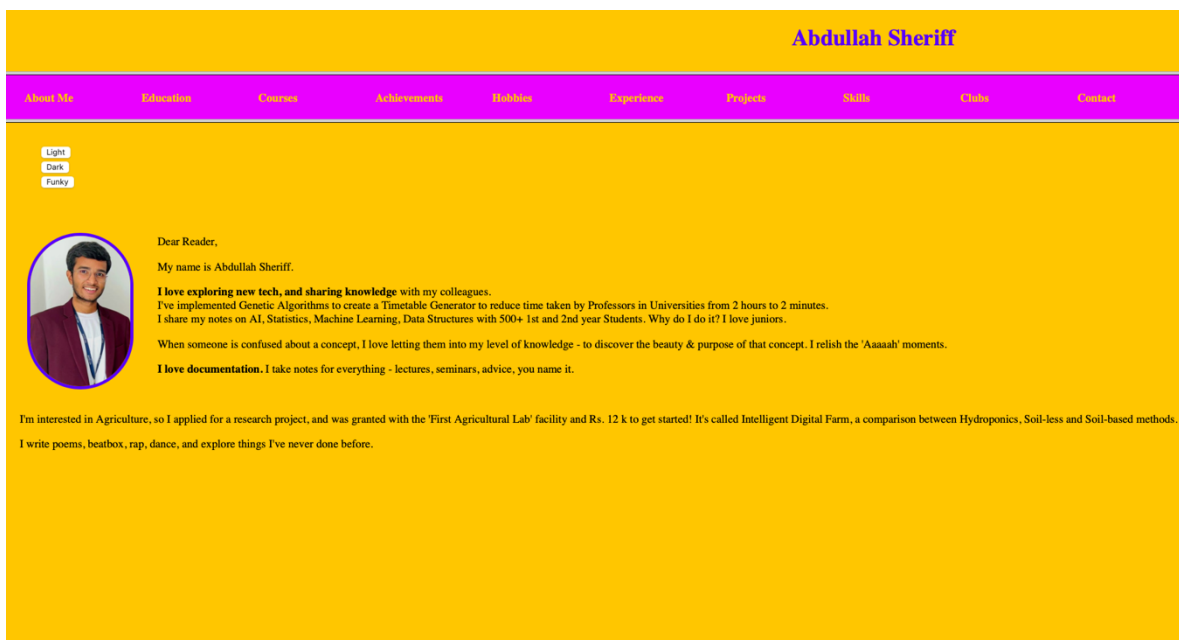
.grid-container a {
  font-size: 20px;
}
```

Output:

Light Theme



Funky Theme



Result:

Successfully implemented a CSS with light theme and dark theme toggle button using javascript