Name: Gaurav Kumar Singh

Registration Number: 19BCE2119

Course: Internet and Web Programming

Digital Assignment 1

Personal Portfolio Web Page

LINK: https://gaurav1020.github.io/

STEP-BY-STEP PROCESS

1) The process of creating personal webpage starts from assessing requirements of the project. Create a comprehensive list of what you want to mention on your portfolio and what to exclude.
2) Visualising the view of the webpage and assessing development requirements which for my webpage were HTML, CSS, JavaScript, jQuery, and a little bit of Angular.js.
3) I started by creating all the sections without content for the webpage. Such as side nav-bar, about section, resume and embed boxes, projects and contact section.
4) I added the display picture, my social media handles and navigation links in the side bar.
5) I added some personal data in the about section.
6) In the resume section I started by adding my educational qualifications, achievements, skills and pdf format of my certifications and CV for download and view without leaving or refreshing webpage using angular.js.
7) I added titles and links to my GitHub repositories of all major development projects I had been part of excluding mini projects.
8) I added the contact information I was fine with making public in the contact section.
9) I did style of the main body after the entire structuring with some transitions and effects.
10) To host the website on GitHub pages I created a repository I created new repository named gaurav1020 which is my username and renamed the html page to index.html.
11) I uploaded the entire project with the assets on the repository and committed the changes.
12) When accessing gaurav1020.github.io, it automatically takes the user to my portfolio page now.

EXPERIENCE GAINED

1) I learned about advantages of using jQuery over DOM for content manipulation wherever jQuery caters as such.
2) I understood the importance of minimalism on a webpage because an over-decorated webpage just for the sake of being decorated does not add much to the looks, nut rather takes away from it.
3) I learned to approach the project in the function over form in the start and catering the form once it functions the desired way.
4) I learned to use client side angular.js to greatly improve user experience.
5) I learned about how the embed tag works and its utility.
6) I learned how to host my static webpages on GitHub using GitHub pages.
7) I went through a lot of my peers and random publicly available portfolios for inspiration and learnt how to in-corporate newer ideas into my existing projects.
8) I learned about the importance of having a self-made portfolio website as a way of expressing yourself to others.
9) I discovered a creative way of showcasing my certifications and skills.
10) I learnt how to add subtle transitions to my webpage's activities which add a whole new layer of depth in my webpage.

NEED FOR PERSONAL WEBPAGE

The reason why I think everyone needs a personal webpage is because it is the one of the most effective way of showcasing your creativity and skills online amongst the group of people who seek those skills and hone them. It can be used to showcase and mention your skills, qualifications and personality to others and help you connect to people with aligned ambitions. A personal webpage such as portfolio can also help you to keep track of the progress you are making over the years of experience as although it might require some effort for you to maintain your portfolio webpage, one can always assess how much one has progressed in that time.

CODE

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        .aside {
            height: 100%;
            width: 20%;
            position: fixed;
            z-index: 1;
            top: 0;
            left: 0;
            background-color: rgb(18, 18, 29);
            overflow-x: hidden;
            overflow-y: hidden;
            padding-top: 20px;
        }

        .aside a {
```

```css
    padding: 6px 8px 6px 16px;

    text-decoration: none;

    font-size: 25px;

    color: #818181;

    display: block;

}


.sidenav a:hover {

    color: #f1f1f1;

}


.main {

    margin-left: 20%;

    font-size: 28px;

    padding: 0px 10px;

}


.dp {

    width: 50%;

    border-radius: 50%;

    display: block;

    margin-left: auto;

    margin-right: auto;

    border: 5px solid grey;

}


.aside-name {

    color: #f1f1f1;

    font-family: Verdana, Geneva, Tahoma, sans-serif;

    text-align: center;

}
```

```css
.aside-socials {

    display: flex;

    flex-direction: row;

    justify-content: space-around;

    padding: 0px 30px;

}


.soc-img {

    width: 40px;

    height: 40px;

    border-radius: 50%;

}


.soc-img:hover {

    transform: scale(1.25);

    transition: transform .2s;

    transition: filter .2s;

    filter: invert(100%) !important;

    -webkit-filter: invert(100%) !important;

}


.txt-grey {

    color: rgb(201, 201, 201);

    font-family: Arial, Helvetica, sans-serif;

    display: inline;


}


.aside-td {

    height: 80px;
```

```css
    text-align: left;

    vertical-align: center;

}


.txt-grey:hover {

    color: white;

}


.heading {

    color: rgb(24, 60, 61);

    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

}


.ntext {

    font-size: 20px;

}


.about-flex {

    display: flex;

    flex-direction: row;

}


.about-img {

    width: 270px;

    border-radius: 10px;

    border: 4px solid rgb(78, 78, 78);

}


.about-name {

    color: rgb(2, 18, 68);

    display: inline;
```

```css
    margin-top: -10px;

}


#about-table {

    margin-left: 20px;

}


.tab-space {

    padding-left: 40px;

}


.hlink-about {

    text-decoration: none;

    color: blue;

}


.about-desc {

    font-family: Arial, Helvetica, sans-serif;

    font-size: 16px;

}


.resume-ed-head {

    font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;

    font-size: 25px;

    padding-left: 80px;

}


.resume-ed-desc {

    font-family: Arial, Helvetica, sans-serif;

    font-size: 20px;

    padding-left: 160px;
```

```css
}

.resume-ac-desc {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 20px;
    padding-left: 80px;
    font-weight: bold;
    height: 40px;
}

.vertical {
    border-left: 5px solid black;
    position: absolute;
    margin-left: 40px;
}

div.scrollmenu button {
    display: inline-block;
    color: rgb(34, 34, 34);
    text-align: center;
    padding: 14px;
    text-decoration: none;
    border:none;
    width:300px;
    height:70px;
    display:block;
    border-right: 2px solid black;
    border-left : 2px solid black
}
.cacv{
    margin-bottom: 10px;
```

```css
}

div.scrollmenu button:hover {
    background-color: rgb(199, 199, 199);
}
.Embed-src{
    display: flex;
    flex-direction: row;
}
.embed-loc{
    margin: 0px 20px;
    width:100%;
    height:800px;
}
.projects-desc{
    width:100%
}
.projects-desc tr td{
    width:50%;
    text-align: center;
    height:90px;
    border-radius:10px;
    border:3px solid black;
    font-size: 25px;
    font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}
.projects-desc tr td:hover{
    transform: scale(1.02);
    transition:transform .2s;

}
```

```css
    .bg-blue{

        background-color: rgba(174, 174, 255, 0.7);

    }

    .bg-blue:hover{

        background-color: rgba(174, 174, 255, 1);

    }

    .bg-lblue{

        background-color: rgba(173, 216, 230,0.7);

    }

    .bg-lblue:hover{

        background-color: rgba(173, 216, 230,1);

    }

    .flex-img{

        width:40px;

        height:40px;

    }

    .tab-flex{

        width:35%;

        height:50px;

        text-align:right;

    }

</style>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
</head>


<body>
    <!-- SIDENAV -->
    <div class=aside>
        <img src="assets/profile_picture.jpg" class="dp">
        <div class=aside-name>
```

```html
        <h2>Gaurav Kumar Singh</h2>

    </div>

    <div class=aside-socials>

        <div class="socials"><a href="mailto:gauravkumarsingh1020@gmail.com" target="_blank"
class="gmail"><img

            class=soc-img src="assets/gmail.jpg"></a></div>

        <div class="socials"><a href="https://github.com/Gaurav1020" target="_blank"><img
class="soc-img github"

            src="assets/github.jpg"></a></div>

        <div class="socials"><a href="https://www.linkedin.com/in/gaurav-kumar-singh-8553b221a/"
target="_blank"

            class="linkedin"><img class=soc-img src="assets/linkedin.jpeg"></a></div>

    </div>

    <table class=aside-table text-align=center>

        <tr>

            <td class=tab-flex><a href="#about"><img class=flex-img src="assets/about-
icon.png"></a></td>

            <td class="aside-td"><a href="#about">

                <h4 class="txt-grey">About</h4>

              </a></td>

        </tr>

        <tr>

            <td class=tab-flex><a href="#resume"><img class=flex-img
src="assets/Resume.png"></a></td>

            <td class="aside-td"><a href="#resume">

                <h4 class="txt-grey">Resume</h4>

              </a></td>

        </tr>

        <tr>

            <td class=tab-flex><a href="#projects"><img class=flex-img
src="assets/Projects.png"></a></td>

            <td class="aside-td"><a href="#projects">

                <h4 class="txt-grey">Projects</h4>
```

```html
        </a></td>
      </tr>
      <tr>
        <td class=tab-flex><a href="#contact"><img class=flex-img
src="assets/Contacts.png"></a></td>
        <td class="aside-td"><a href="#contact">
          <h4 class="txt-grey">Contact</h4>
        </a></td>
      </tr>
    </table>
  </div>
  <!--  -->
  <div class=main>
    <!-- ABOUT -->
    <div id=about>
      <h2 class="heading">About</h2>
      <hr align=left size=5px color="dimgrey" style="width:120px; margin-top:-25px;">
      <p class="ntext">I'm 3rd year Computer Science Engineering, B.Tech. undergraduate student
at Vellore
        Institute of Technology, Vellore.</p>
      <div class=about-flex>
        <div>
          <img src="assets/About.jpg" class=about-img>
        </div>
        <div>
          <table id=about-table>
            <tr>
              <td colspan=2>
                <h4 class="aside-name about-name">Gaurav Kumar Singh</h4>
              </td>
            </tr>
            <tr>
```

```html
            <td>

              <p class="ntext"><strong>E-mail:</strong> <a class=hlink-about
href="mailto:gauravkumarsingh1020@gmail.com" target="_blank"
class="gmail">gauravkumarsingh1020@gmail.com</a></p>

            </td>

            <td>

              <p class="ntext tab-space"><strong>Phone:</strong> +91 9664395951</p>

            </td>

          </tr>

          <tr>

            <td>

              <p class="ntext"><strong>Degree:</strong> Bachelor of Technology</p>

            </td>

            <td>

              <p class="ntext tab-space"><strong>Institute:</strong> Vellore Institute of
Technology,

                Vellore</p>

            </td>

          </tr>

          <tr>

            <td>

              <p class="ntext"><strong>Batch:</strong> 2023</p>

            </td>

            <td>

              <p class="ntext tab-space"><strong>GitHub:</strong> <a class="hlink-about"

                  href="https://github.com/Gaurav1020">Gaurav1020</a></p>

            </td>

          </tr>

          <tr>

            <td class="ntext about-desc" colspan=2>Tech enthusiast, and computer programmer
currently

                pursuing B.Tech. from Vellore Institute of Technology, Vellore. </td>
```

```html
        </tr>

      </table>


    </div>

  </div>

  </div>

  <!-- RESUME -->

  <div id=resume>

    <h2 class="heading">Resume</h2>

    <hr align=left size=5px color="dimgrey" style="width:155px; margin-top:-25px;">

    <h3 class="heading">Education</h3>

    <div class="vertical education-vertical"></div>

    <div id=education-tb>

      <div>

        <p class=resume-ed-head><strong>VELLORE INSTITUTE OF TECHNOLOGY,
VELLORE</strong></p>

        <p class=resume-ed-desc>Bachelor of Technology in Computer Science Engineering</p>

        <p class=resume-ed-desc>CGPA: 8.32 (Till 2021)</p>

      </div>

      <div>

        <p class=resume-ed-head><strong>SHIV JYOTI CONVENT SCHOOL, LADPURA,
KOTA</strong></p>

        <p class=resume-ed-desc>12th CBSE: 78.8% (2018)</p>

      </div>

      <div>

        <p class=resume-ed-head><strong>ST. PAUL'S SENIOR SECONDARY SCHOOL,
BEAWAR</strong></p>

        <p class=resume-ed-desc>10th CBSE: 10 CGPA (2016)

        </p>

      </div>

    </div>

    <div id=achievements-tb>
```

```html
        <h3 class="heading">Achievements</h3>

        <table>

          <tr>

            <td class=resume-ac-desc>JEE Mains 2019: 96.025</td>

            <td class=resume-ac-desc>JEE Advance 2019: 15071</td>

          </tr>

          <tr>

            <td class=resume-ac-desc>Facebook Hacker Cup 2021 Round-2 Rank: 2826</td>

            <td class=resume-ac-desc>D2C Recruitables Score: 245/400</td>

          </tr>

          <tr>

            <td class=resume-ac-desc>Chamber of Codes (DTU) 2021 Rank: 7</td>

            <td class=resume-ac-desc>CodeDrift 2.0 August 2021 Rank:56, InterviewBit</td>

          </tr>

          <tr>

            <td class=resume-ac-desc>Newton's Grand Contest 2021 Rank: 2225</td>

            <td class=resume-ac-desc>InterviewBit Score: 28000+</td>

          </tr>

        </table>

    </div>

    <div id=skills-tb>

        <h3 class="heading">Skills</h3>

        <table>

          <tr>

            <td class=resume-ac-desc>C/C++</td>

            <td class=resume-ac-desc>Python</td>

            <td class=resume-ac-desc>HTML</td>

            <td class=resume-ac-desc>CSS</td>

            <td class=resume-ac-desc>JavaScript</td>

            <td class=resume-ac-desc>Node.js</td>

          </tr>
```

```html
          <tr>

            <td class=resume-ac-desc>Express.js</td>

            <td class=resume-ac-desc>MongoDB</td>

            <td class=resume-ac-desc>Mongoose.js</td>

            <td class=resume-ac-desc>MySQL</td>

            <td class=resume-ac-desc>Flask</td>

          </tr>

        </table>

      </div>

      <div id=Embed-src ng-app=myCertificates ng-cloak ng-controller="myCtrl">

        <h3 class="heading cacv">Certifications and CV</h3>

        <div class=Embed-src>

          <div class="scrollmenu">

            <button class="certificate-selection" ng-repeat="x in certificates" ng-
click="updateSource(x)">{{x}}</button>

            <!-- <button class="cacv-button-odd">Resume</button>

            <button >Coding Ninjas Front End <br> Web Development</button>

            <button class="cacv-button-odd" >Coding Ninjas Back End <br> Web
Development</button> -->

          </div>

          <div class=embed-loc>

            <embed id=Docx src="assets/Resume.pdf#toolbar=0" style="width:100%;
height:700px;">

          </div>

        </div>

      </div>

    </div>

    <!-- PROJECTS -->

    <div id=projects>

      <h2 class="heading">Projects</h2>

      <hr align=left size=5px color="dimgrey" style="width:160px; margin-top:-25px;">
```

```html
        <p class=resume-ac-desc style="margin-left:-75px">Link of major projects I have been a part
of:</p>

      <table class=projects-desc>

        <tr>

          <td class=bg-blue id=ptpbr><strong>Peer-to-Peer Book Rental</strong></td>

          <td class=bg-lblue id=db><strong>Discord Bot</strong></td>

        </tr>

        <tr>

          <td class=bg-lblue id=sra><strong>Smartphone Recommendation<br>
Application</strong></td>

          <td class=bg-blue id=cidbms><strong>Cement Industry Database<br> Management
System</strong></td>

        </tr>

        <tr>

          <td class=bg-blue id=moreprojects><strong>And more...</strong><br><p
style="display:inline; font-size:20px;">Mini Projects with Source Code on GitHub</p></td>

        </tr>

      </table>

    </div>

    <!-- CONTACTS -->

    <div id=contact>

      <h2 class="heading">Contact</h2>

      <hr align=left size=5px color="dimgrey" style="width:150px; margin-top:-25px;">

      <table>

        <tr>

          <td style="text-align:right;"><strong>Email:</strong></td>

          <td> &nbsp&nbsp<a href="mailto:gauravkumarsingh1020@gmail.com" target="_blank"
class="hlink-about">gauravkumarsingh1020@gmail.com</a></td>

        </tr>

        <tr>

          <td style="text-align:right;"><strong>Call:</strong></td>

          <td>&nbsp&nbsp+91 9664395951</td>

        </tr>
```

```html
        <tr>

          <td style="text-align:right;"><strong>Instagram:</strong></td>

          <td>&nbsp&nbsp<a class="hlink-about"
href="https://www.instagram.com/g_rave1020/">@g_rave1020</a></td>

        </tr>

      </table>

    </div>

  </div>

  <script>

    $(document).ready(() => {

      //ASIDE TD WIDTH DYNAMIC

      var aside_td = $(".aside-td");

      var aside_td_width = $(".aside").css("width");

      aside_td.css("width", aside_td_width);


      //vertical line size

      var vertical = $(".education-vertical");

      var vertical_height = $("#education-tb").css("height");

      vertical.css("height", vertical_height);


      //Odd Button STyle

      $(".certificate-selection").even().css("background-color","rgb(221, 221, 221)");

      $(".certificate-selection").mouseenter(function() {

        $(this).css("background", "rgb(199, 199, 199)");

      }).mouseleave(function() {

        $(".certificate-selection").even().css("background-color","rgb(221, 221, 221)");

        $(".certificate-selection").odd().css("background-color","rgb(239,239,239)");

      });


      //Projects Hyperlinks

      $("#ptpbr").on("click",()=>{
```

```javascript
            window.open("https://github.com/Gaurav1020/BookLook","_blank");

        })

        $("#ptpbr").on("mouseover",()=>{

            $("#ptpbr").css('cursor','pointer');

        })


        $("#db").on("click",()=>{

            window.open("https://github.com/Gaurav1020/NTRTNMNT-BOT","_blank");

        })

        $("#db").on("mouseover",()=>{

            $("#db").css('cursor','pointer');

        })

        $("#sra").on("click",()=>{

            window.open("https://github.com/Gaurav1020/Smartphone_Recommendation","_blank");

        })

        $("#sra").on("mouseover",()=>{

            $("#sra").css('cursor','pointer');

        })

        $("#cidbms").on("click",()=>{

            window.open("https://github.com/Gaurav1020/Cement-Industry-
DatabaseManagementSystem/tree/main/DBMS","_blank");

        })

        $("#cidbms").on("mouseover",()=>{

            $("#cidbms").css('cursor','pointer');

        })

        $("#moreprojects").on("click",()=>{

            window.open("https://github.com/Gaurav1020","_blank");

        })

        $("#moreprojects").on("mouseover",()=>{

            $("#moreprojects").css('cursor','pointer');

        })
```

```javascript
        })
    $(window).resize(() => {
        var aside_td = $(".aside-td");
        var aside_td_width = $(".aside").css("width");
        aside_td.css("width", aside_td_width);


        var vertical = $(".education-vertical");
        var vertical_height = $("#education-tb").css("height");
        vertical.css("height", vertical_height);
    })
    var app = angular.module("myCertificates",[]);
    app.controller("myCtrl",function($scope){
        $scope.certificates =["Resume", "Coding Ninjas Front End Web Development", "Coding Ninjas
Back End Web Development"];
        $scope.sources=["assets/Resume.pdf#toolbar=0", "assets/Front-endCN.pdf#toolbar=0",
"assets/Back-endCN.pdf#toolbar=0"];
        $scope.last=$scope.certificates[0];
        $scope.updateSource=(x)=>{
            console.log(x);
            if($scope.last==x){
                return;
            }
            for( var i=0; i<$scope.certificates.length;i++){
                if(x==$scope.certificates[i]){
                    $scope.last=$scope.certificates[i];
                    $('#Docx').attr('src',$scope.sources[i]);
                    break;
                }
            }
        }
    })
</script>
```

```
</body>


</html>
```

LINK: https://gaurav1020.github.io/

Code Link: https://github.com/Gaurav1020/gaurav1020.github.io

SCREENSHOTS

File/Folder Structure:
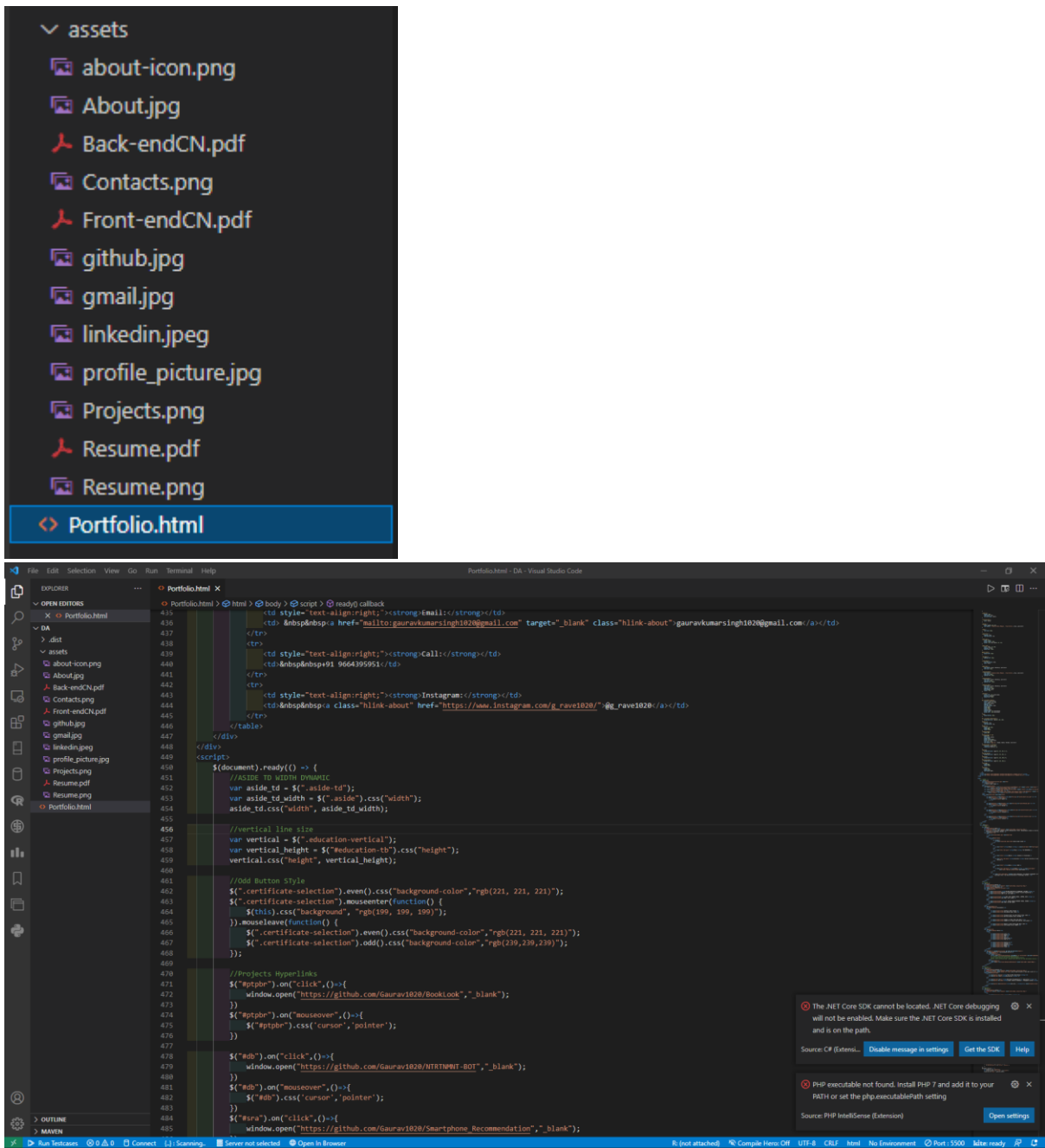
Web Page View
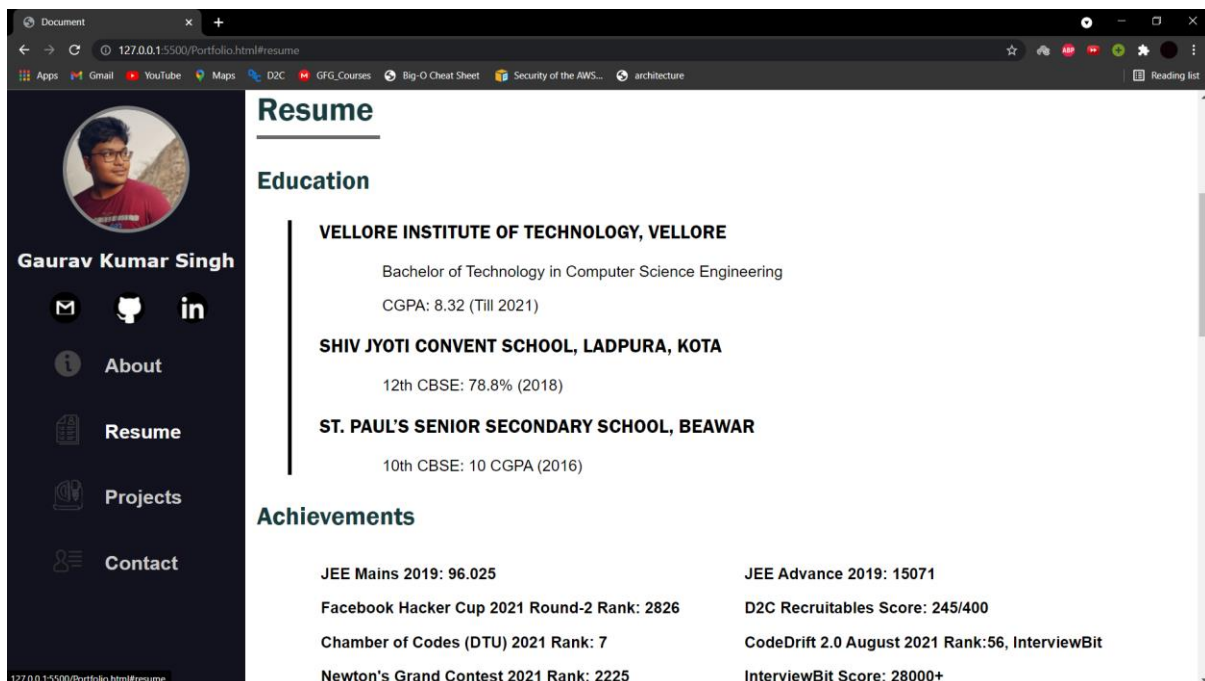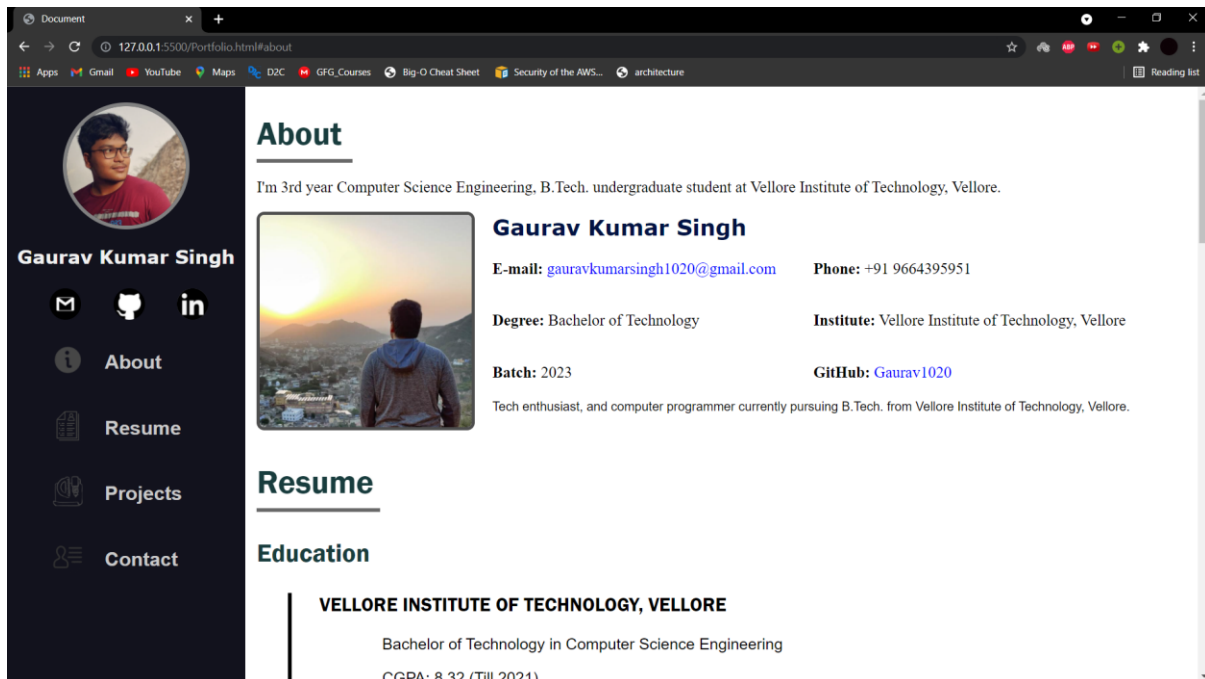
Document   +
127.0.0.1:5500/Portfolio.html#resume
Apps   Gmail   YouTube   Maps   D2C   GFG_Courses   Big-O Cheat Sheet   Security of the AWS...   architecture   Reading list

Skills

| C/C++ | Python | HTML | CSS | JavaScript | Node.js |
| Express.js | MongoDB | Mongoose.js | MySQL | Flask | |

Certifications and CV

Resume

Coding Ninjas Front End Web Development

Coding Ninjas Back End Web Development

Gaurav Kumar Singh

About
Resume
Projects
Contact

GAURAV KUMAR SINGH
+91 9664395951
gauravkumarsingh1020@gmail.com · LinkedIn Profile · GitHub

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
Bachelor of Technology in Computer Science Engineering
CGPA: 8.32 (Till 2021)

SHIV JYOTI CONVENT SCHOOL, LADPURA, KOTA
12th CBSE: 78.8% (2018)

ST. PAUL'S SENIOR SECONDARY SCHOOL, BEAWAR
10th CBSE: 10 CGPA (2016)

PROJECTS

SMARTPHONE RECOMMENDATION APPLICATION
• Used **Scrapy** framework in **Python** to crawl a website to create a dataset containing desired information from over 300 web pages
• Pre-processed the dataset obtained using **Pandas, NumPy** frameworks to rate the smartphones based on the scores calculated
• Visualized data using **Matplotlib** and **Plotly** frameworks comparing the performance metrics of recommended smartphones
• Created the frontend using **Python (Flask), HTML,** and **CSS**
• Source Code Link

DISCORD BOT
• Created a scalable Discord Bot with multiple commands using **Discord.js** and **Node.js.**
• Features of the bot:
  ❖ **Music Bot:** Used **distube.js** to create multiple commands which allow the user to listen to any song, podcast, or playlists.
  ❖ Commands available for music bot: play, pause, stop, loop, disconnect, autoplay, resume, stop, skip and view the queue
  ❖ **Tic-Tac-Toe with friends:** Used **async-await** functions and promises to handle user inputs to make it robust
  ❖ **Delete bulk messages:** Command which deletes a bunch of text messages at once from the channel
  ❖ **Toss:** Coin toss simulator
  ❖ **Mass mute and unmute:** Commands, which when invoked, can automatically detect the current voice channel of the user and mute/unmute everyone in that channel

---

Document   +
127.0.0.1:5500/Portfolio.html#resume
Apps   Gmail   YouTube   Maps   D2C   GFG_Courses   Big-O Cheat Sheet   Security of the AWS...   architecture   Reading list

Skills

| C/C++ | Python | HTML | CSS | JavaScript | Node.js |
| Express.js | MongoDB | Mongoose.js | MySQL | Flask | |

Certifications and CV

Resume

Coding Ninjas Front End Web Development

Coding Ninjas Back End Web Development

Gaurav Kumar Singh

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CODING NINJAS

Certificate Of Excellence

Top Performer

is awarded to

Gaurav Kumar Singh

for successfully completing the course

Front End | Full Stack Web Development

conducted from February 2021 to July 2021

Manisha Khattar   CODING NINJAS   Arpan

Gaurav Kumar Singh

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Projects

Link of major projects I have been a part of:

Peer-to-Peer Book Rental	**Discord Bot**
Smartphone Recommendation Application	**Cement Industry Database Management System**
And more... Mini Projects with Source Code on GitHub	

Contact

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