

ICP2

Name: Aqdus Charolia

Email: aacy5x@mail.umkc.edu

Github: https://github.com/Aqdusc/WebDevCourse/tree/main/Web_Development/ICP2

Email: aacbb8@mail.umkc.edu

Github: https://github.com/Affancharolia/WebDevCourse/tree/main/Web_Development/ICP2

Aim: To demonstrate the use of basic HTML elements (block and Inline), inserting images, video with controls, lists (ordered and unordered), div and span elements and thus creating a portfolio html file with a basic css file.

Objective:

1. Create an Html Portfolio File
2. Page should contain.
 - a. Paragraphs
 - b. Headings
 - c. Ordered lists
 - d. Unordered lists
 - e. At least 2 div and span elements
 - f. At least 4 block and inline elements
 - g. Images which when clicked open in a new tab
 - h. Video which has controls embedded in it.

Portfolio.html File

Aqdus Arshad Charolia

About Me Projects Publications Skills Watch my Spark Tutorial on Colab

About Me

[Click My Profile to access my LinkedIn Profile](#)



MSc Computer Science Candidate UMKC
GPA: 3.95

I love web development and am crazy about watching and playing soccer

Projects

1. Analysis of Adverse Effect of Covid-19 Vaccines (Feb 2021 - Mar 2021)

- A project that employs the VAERS dataset (Created by FDC and CDC) to study and analyze the effects of Covid-19 vaccines (Pfizer, Moderna and J&J), to see if they cause adverse effects on human life's based on the attributes in the dataset like age, health, geo-spatial factors etc.
- Big Data Tools like OpenRefine, Tableau, and Spark have been employed in this project for data cleaning and visualization.

2. Automatic Stress Detection of Plants using Thermal Imaging (Aug 2019 - May 2020)

- An application that uses Deep Learning (Artificial Neural Networks), Image Processing, IOT, and Machine Learning.
- Aim is to capture thermal images of plant leaves, to identify water stress as early as possible and prevent the plant from withering.

3. Sentiment Analysis on Hindi Movie Reviews (Jan 2020 - May 2020)

- A web application that takes input of movie reviews in Hindi and predicts the review as positive or negative.
- Two methods namely: Unigrams and TF-IDF have been used for feature matrix generation.
- Uses Deep Belief Network for classification and then we compare the results with other classifiers like SVM, Random Forest etc.
- Others approaches like Resource based Classification using HindiSentiWordNet (H-SWN) have also been implemented and results obtained have been compared.

4. Heart Disease Prediction System (Feb 2019 - April 2019)

- A web application that estimates the possibility of individuals having a heart disease based on certain test conditions like age, diabetes, cholesterol etc.
- Uses machine learning algorithms like Principal Component Analysis and Support Vector Machine executing on the server.

Publications

1. Aqdus Charolia, S. Khan, M. Narvekar, M. Hasan, and A. Khan, "Image Processing based application of Thermal Imaging for Monitoring Stress Detection in Tomato Plants," 2019 International Conference on Smart Systems and Inventive Technology (ICSSIT), 2019, pp. 1111-1116, doi: 10.1109/ICSSIT46314.2019.8987900.

2. Aqdus Charolia, Saqra Khan, Meera Narvekar, Anam Khan, Mushrifah Hasan, "Application of Deep Learning Coupled with Thermal Imaging in Detecting Water Stress in Plants," 2021 Design of Intelligent Applications Using Machine Learning and Deep Learning Techniques (1st ed.). Chapman and Hall/CRC <https://doi.org/10.1201/9781003133681>

Skills

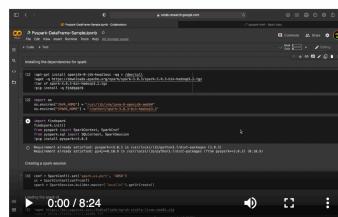


★★★★★



★★★

Pyspark on Colab



[https://cdn.vox-cdn.com/thumbor/_Aob2ZDl_RVStktVR7mUzpbkoc=/0x0:640x427/1200x800/filters:focal\(0x0:640x427\)/cdn.vox-cdn.com/assets/1087137/java_logo_640.jpg](https://cdn.vox-cdn.com/thumbor/_Aob2ZDl_RVStktVR7mUzpbkoc=/0x0:640x427/1200x800/filters:focal(0x0:640x427)/cdn.vox-cdn.com/assets/1087137/java_logo_640.jpg)

Screenshots/Code Explanation:

1. Heading Element/ Tag: Use to emphasize/highlight the start of a section or demonstrate important text. It starts with h1 for max size and can be altered by increasing number for smaller size min h6, enclosed by <h1> tag.

```
<h1 id="title">Aqdus Arshad Charolia</h1>
```

Aqdus Arshad Charolia

2. Paragraph Element/ Tag: Use to create paragraphs/ continuous statements. Enclosed by the <p> tag.

```
<p>
<strong><em>MSc Computer Science Candidate UMKC</em></strong><br>
    <strong><em>GPA: 3.95</em></strong><br>
I <b><span style="color: darkblue">love web development</span></b> and am
crazy about watching and playing <span style="color: blueviolet; font-
family:'Arial Black'">soccer</span>
</p>
```

MSc Computer Science Candidate UMKC
GPA: 3.95

I **love web development** and am crazy about watching and playing **soccer**

3. Division Tag/ Element: Used to create a separate section in the html file to work upon like certain portion of the html file, represented by the <div> tag.

```
<!-- Creating the Navigation Bar -->
<div class="topnav">
    <a href="#about">About Me</a>
    <a href="#projects">Projects</a>
    <a href="#publications">Publications</a>
    <a href="#skills">Skills</a>
    <a href="#">Watch my Spark Tutorial on Colab</a>
</div>
```

4. Span Tag/ Element: It is an inline tag element/ container used to style content between two span tags. Its like the div tag but is an inline container.

```
<b><span style="color: darkblue">love web development</span></b> and am crazy  
about watching and playing <span style="color: blueviolet; font-family: 'Arial  
Black'">soccer</span>
```

I love web development and am crazy about watching and playing soccer

5. Ordered lists: Creates an ordered list with the `` tag. The text or media to be added are addressed by the `` tag. Ordered lists can start with number, character etc, eg Start='1'.

```
<div id="publications">  
    <h2 align="center">Publications</h2>  
    <ol start="1">  
        <b><em><li style="padding-bottom: 10px">Aqdas Charolia, S. Khan, M.  
Narvekar, M. Hasan, and A. Khan, "Image Processing based application of  
Thermal Imaging for Monitoring Stress Detection in Tomato Plants," 2019  
International Conference on Smart Systems and Inventive Technology (ICSSIT),  
2019, pp. 1111-1116, doi: 10.1109/ICSSIT46314.2019.8987900.</li></em></b>  
        <b><em> <li style="padding-bottom: 10px; padding-top: 10px">Aqdas  
Charolia, Saiqa Khan, Meera Narvekar, Anam Khan, Mushrifah Hasan,  
"Application of Deep Learning Coupled with Thermal Imaging in Detecting Water  
Stress in Plants," 2021 Design of Intelligent Applications Using Machine  
Learning and Deep Learning Techniques (1st ed.). Chapman and Hall/CRC <a  
href="https://doi.org/10.1201/9781003133681"  
target="_blank">https://doi.org/10.1201/9781003133681</a></li></em></b>  
    </ol>  
  
</div>
```

Publications

1. Aqdas Charolia, S. Khan, M. Narvekar, M. Hasan, and A. Khan, "Image Processing based application of Thermal Imaging for Monitoring Stress Detection in Tomato Plants," 2019 International Conference on Smart Systems and Inventive Technology (ICSSIT), 2019, pp. 1111-1116, doi: 10.1109/ICSSIT46314.2019.8987900.
2. Aqdas Charolia, Saiqa Khan, Meera Narvekar, Anam Khan, Mushrifah Hasan, "Application of Deep Learning Coupled with Thermal Imaging in Detecting Water Stress in Plants," 2021 Design of Intelligent Applications Using Machine Learning and Deep Learning Techniques (1st ed.). Chapman and Hall/CRC <https://doi.org/10.1201/9781003133681>

6. Unordered Lists: Created and unordered list with the `` tag. The text or media to be added are addressed by the `` tag. Unordered lists can be represented with shapes the default being a circle.

```
<!-- Creating the Projects Section -->  
<div id="projects">  
    <h2 align="center">Projects</h2>  
    <ol start="1">  
        <b><em><li style="padding-bottom: 10px">Analysis of Adverse  
Effect of Covid-19 Vaccines (Feb 2021 - Mar 2021)</li></em></b>  
  
        <ul>
```

```

        <li>A project that employs the VAERS dataset (Created by FDC and CDC) to study and analyze the effects of Covid-19 vaccines (Pfizer, Moderna and J&J), to see if they cause adverse effects on human life's based on the attributes in the dataset like age, health, geo-spatial factors etc.</li>
        <li>Big Data Tools like OpenRefine, Tableau, and Spark have been employed in this project for data cleaning and visualization.</li>
    </ul>
    <b><em><li style="padding-bottom: 10px; padding-top: 10px">Automatic Stress Detection of Plants using Thermal Imaging (Aug 2019 - May 2020)</li></em></b>

    <ul>
        <li>An application that uses Deep Learning (Artificial Neural Networks), Image Processing, IOT, and Machine Learning.</li>
        <li>Aim is to capture thermal images of plant leaves, to identify water stress as early as possible and prevent the plant from withering.</li>
    </ul>
    <b><em><li style="padding-bottom: 10px; padding-top: 10px">Sentiment Analysis on Hindi Movie Reviews (Jan 2020 - May 2020)</li></em></b>

    <ul>
        <li>A web application that takes input of movie reviews in Hindi and predicts the review as positive or negative.</li>
        <li>Two methods namely: Unigrams and TF-IDF have been used for feature matrix generation.</li>
        <li>Uses Deep Belief Network for classification and then we compare the results with other classifiers like SVM, Random Forest etc.</li>
        <li>Others approaches like Resource based Classification using HindiSentiWordNet (H-SWN) have also been implemented and results obtained have been compared.
    </li>
    </ul>
    <b><em><li style="padding-bottom: 10px; padding-top: 10px">Heart Disease Prediction System (Feb 2019 - April 2019)</li></em></b>

    <ul>
        <li>A web application that estimates the possibility of individuals having a heart disease based on certain test conditions like age, diabetes, cholesterol etc.</li>
        <li>Uses machine learning algorithms like Principal Component Analysis and Support Vector Machine executing on the server.</li>
    </ul>
</ol>
</div>
```

Projects

1. Analysis of Adverse Effect of Covid-19 Vaccines (Feb 2021 - Mar 2021)

- A project that employs the VAERS dataset (Created by FDC and CDC) to study and analyze the effects of Covid-19 vaccines (Pfizer, Moderna and J&J), to see if they cause adverse effects on human life's based on the attributes in the dataset like age, health, geo-spatial factors etc.
- Big Data Tools like OpenRefine, Tableau, and Spark have been employed in this project for data cleaning and visualization.

2. Automatic Stress Detection of Plants using Thermal Imaging (Aug 2019 - May 2020)

- An application that uses Deep Learning (Artificial Neural Networks), Image Processing, IOT, and Machine Learning.
- Aim is to capture thermal images of plant leaves, to identify water stress as early as possible and prevent the plant from withering.

3. Sentiment Analysis on Hindi Movie Reviews (Jan 2020 - May 2020)

- A web application that takes input of movie reviews in Hindi and predicts the review as positive or negative.
- Two methods namely: Unigrams and TF-IDF have been used for feature matrix generation.
- Uses Deep Belief Network for classification and then we compare the results with other classifiers like SVM, Random Forest etc.
- Others approaches like Resource based Classification using HindiSentiWordNet (H-SWN) have also been implemented and results obtained have been compared.

4. Heart Disease Prediction System (Feb 2019 - April 2019)

- A web application that estimates the possibility of individuals having a heart disease based on certain test conditions like age, diabetes, cholesterol etc.
- Uses machine learning algorithms like Principal Component Analysis and Support Vector Machine executing on the server.

7. Image Tab: It is an inline element represented as . It has the attribute called src where you type the url to load the picture in your html file.

```
<a href="https://www.linkedin.com/in/aqdus-arshad-charolia-33364315b/"  
target="_blank"></a>
```

Here when the image is clicked it will load my linkedin profile in new tab.

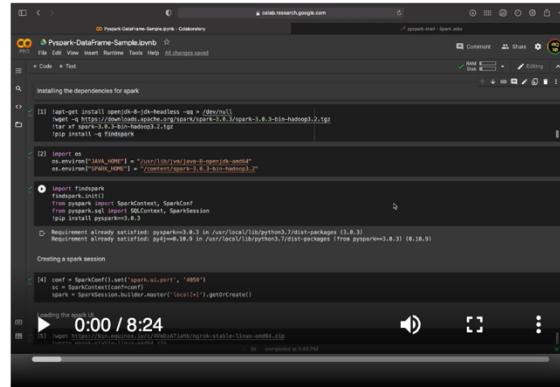


The screenshot shows a LinkedIn profile for Aqdus Arshad Charolia. At the top is a circular profile picture of him. Below it, his name 'Aqdus Arshad Charolia' is displayed in bold, followed by 'Graduate Research Assistant (Deep Learning)'. Underneath that, it says 'Kansas City, Missouri, United States · Contact info'. There are two 'UMKC School of Computing and Engineering' links. Below the bio, it shows '67 connections' and three buttons: 'Open to', 'Add profile section', and 'More'. At the bottom, there's a 'See all details' button with a tooltip that reads 'Open to work Data Analyst, Solutions Architect, Big Data Developer, Software Engineer and Machine Learning Enginee...'.

8. Video Tag/ Element: We can embed video in the html file by adding the video tag. It has attributes like controls which adds the features like play pause in the video file. I have embedded the file with .mp4 extension type.

```
<!-- Creating the Video Section -->  
<div id="video" align="center">  
    <h2>Pyspark on Colab</h2>  
    <video controls width="420" height="315">  
        <source src="Demonstration of DataFrame api in Spark using Python's  
        pyspark library.-2.mp4" type="video/mp4">  
    </video>  
</div>
```

Pyspark on Colab



9. **Inline Elements:** Following are some of the inline elements used in the html file:
Only uses the width required.

Egs: `<a>` is the href tag used to link to other webpages (urls)
`` is the tag to make the sentence bold
`
` is to move to a new line in the paragraph
`` is to add image to html file.

All the above have been demonstrated in the screenshots above.

10. **Block Elements:** Following are some of the block elements used in the html file:
Takes the full width at disposal.

Egs: `<video>`
`<div>`
``
``
`<p>`
`<h>`

All the above are demonstrated in the screenshots above.