

* Web development:- Web development refers to the building, web publishing, web programming and database management. It is the creation of an Application that works over the internet i.e. Website.

The word web development is made up of two words :-

Web:- It refers to website, web pages or anything that work over the internet.

Development:- Building the application from scratch.

* Web development classified into two ways:-

(i) Frontend Development:- The part of website that the user interacts directly is termed as front end.

Frontend Development Contains:-

(i) HTML:- HTML stands for Hyper Text Markup Language. It is use to design the front end portion of the web pages using markup language.

(ii) CSS:- Cascading Style sheets broadly referred to as CSS is a simply design language intended to simplify the process making web pages presentable.

(iii) JavaScript:- JavaScript is a scripting language used to provide a dynamic behavior to our website.

(ii) Backend Development:- Backend is the server side of a website. It is a part of website that users can't see and interact. It is the portion of the software that does not come in direct contact with the users. It is used to store and Arrange data.

(a) PHP:- PHP is server side scripting language designed specifically for web development.

(b) Java:- Java is one of the most popular and widely used programming language. It is highly scalable.

(c) Python:- Python is a programming language that lets you work quickly and integrate systems more efficiently.

(d) Node.js:- Node.js is an open source and cross platform runtime environment for executing JavaScript code outside a browser.

(e) Back End Frameworks:- The list of Back end frameworks are: Express, Django, Rails, Laravel, Spring etc.

* Syntax of HTML Code:-

* Code:-

```
<!DOCTYPE html>
<html>
<body>
<h1> my First Heading </h1>
<p> my first paragraph. </p>
</body>
</html>
```

Output:- My First Heading
my first paragraph.

<!DOCTYPE> represents the document type, and helps browser to display web pages correctly.

<h1> defines the most important heading. <h6> defines the least important heading!

HTML paragraphs are defined with <p> tag.

HTML links are defined with <a> tag.

* Code:-

```
<!DOCTYPE html>
<html>
<body>
<p> This is <strong> strong or Bold Text. </strong> <p>
<p> This <i> emphasised or Italic Text. </i> <p>
<p> This is <mark> marked or Highlighted Text. </mark> <p>
<p> This is subscript Text  $a^2 + b^2 = 0$ . </p>
<p> This is Superscript Text  $(a+b)^2 + 2ab = 9$ 
<sup>2 </sup> + b <sup>2 </sup> + 2ab. </p>
```


Output:- This is strong or Bold Text.

This is Emphasised or Italic Text.

This is Marked or Highlighted Text.

This is Superscript Text $(a+b)^2 = a^2 + b^2 + 2ab$.

* List in HTML:-

```
<!DOCTYPE html>
<html>
<body>
<h2> List of subjects </h2>
<ol>
<li> web development </li>
<li> Data Communication </li>
<li> Algorithm </li>
<li> UNIX programming </li>
<li> Computer Graphics </li>
</ol>
</html>
```

Output:-

1. Web development
2. Data communication
3. Algorithm
4. UNIX programming
5. Computer Graphics.

* Tables in HTML:-

```
<!DOCTYPE html>
<html>
<body>
<table border = 1px solid black >
<tr> <td> Name </td>
      <td> Enrollment no. </td>
</tr>
```



```

</tr>
<td>Prishad Akaram</td>
<td>1900101122</td>
</tr>
<td>Mohammad Asif</td>
<td>190022423</td>
</tr>
<tr>
<td>Shabaj Ansari</td>
<td>190012456</td>
</tr>
</table>
</body>
</html>

```

Output:-

Name	Enrollment no.
Prishad Akaram	19001243
Mohammad Asif	19002011
Shabaj Ansari	1900201122

* program of CV in HTML :-

→ program :-

```
<p id="name">Irshad Akram </p>
```

```
<p id="contact">9984757194 </p>
```

```
<h3> CV Highlights </h3>
```

```
<p>
```

```
<ul>
```

```
<li> currently going through CA 311  
web development. </li>
```

```
<li> Learnt python, JavaScript, HTML,  
CSS. </li>
```

```
<li> An independent, dedicated, efficient  
person. These attributes are proved  
through the series of course i have  
independently through online platform. </li>
```

```
<li> Good Communication Skills, presentation  
skills, attribute towards leadership and  
a very good team worker. </li>
```

```
</ul>
```

```
<h3> professional Experience </h3>
```

```
<h4 id="Company name"> wipro Pvt Ltd. </h4>
```

```
<p id="Job-title"> <strong> Support Engineer </strong> </p>
```

```
<p id="Job-responsibilities"> Job Responsibilities </p>
```

```
<h3> Educational Qualification </h3>
```

```
<table>
```

```
<tr id="Heading">
```

```
<td> Qualification </td>
```

```
<td> Board </td>
```

```
<td> percentage / grades </td>
```


<td> year </td>

</tr>

<tr>

<td> S.S.C. </td>

<td> G.S.E. B. India </td>

<td> 75.57% </td>

<td> 2004 </td>

</tr>

<tr>

<td> H.S.C. (Science Stream) </td>

<td> G.S.E. B. India </td>

<td> 72.40% </td>

<td> 2006 </td>

</tr>

<tr>

<td> Chartered Accounting - ACCA </td>

<td> ACCA Glasgow, UK </td>

<td> passed (1st Attempt) </td>

<td> 2013

</tr>

</table>

<h3> Independent Courses </h3>

<p>

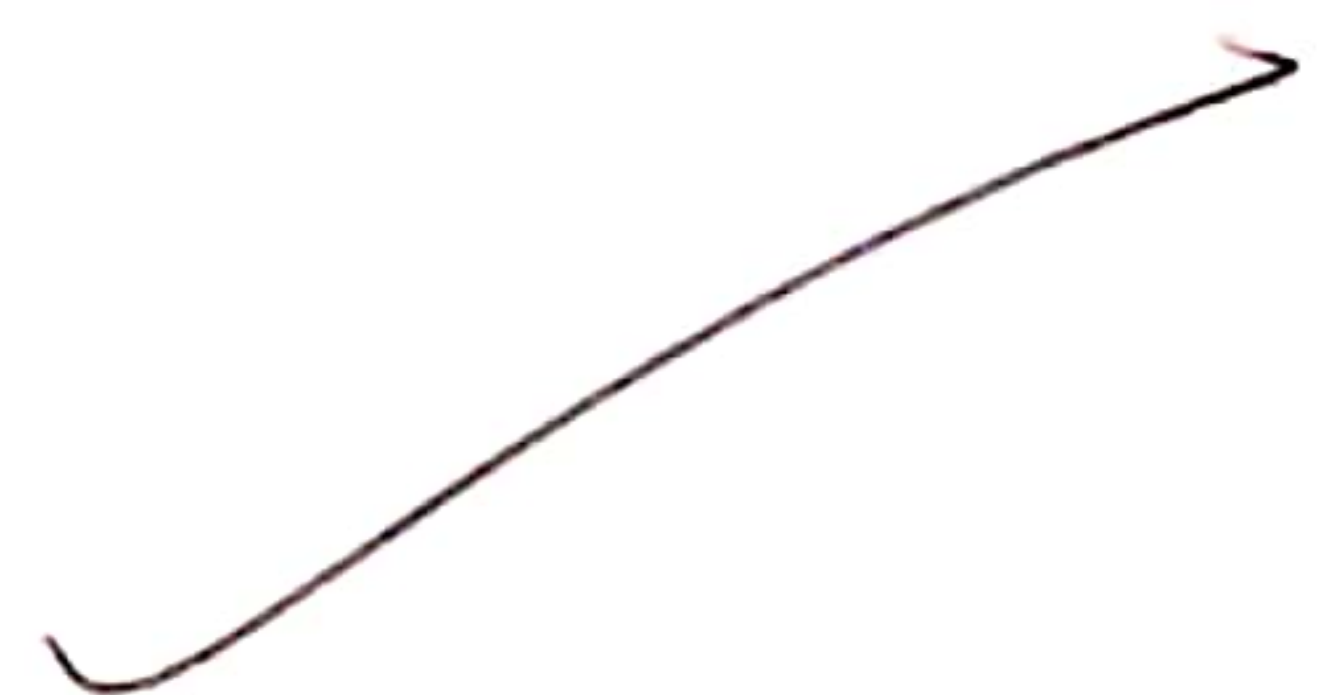
 HTML & CSS

 Python

 Javascript

 Introduction to C.S.

 Calculus one



<h3> Technical skills </h3>

 operating system

 Application software

 programming skills

<h3> Certification and awards </h3>

 Scored highest in ACCA PL

 Interviewed by ACCA

<h3> personal Information </h3>

 A young, determined hard and smart working person.

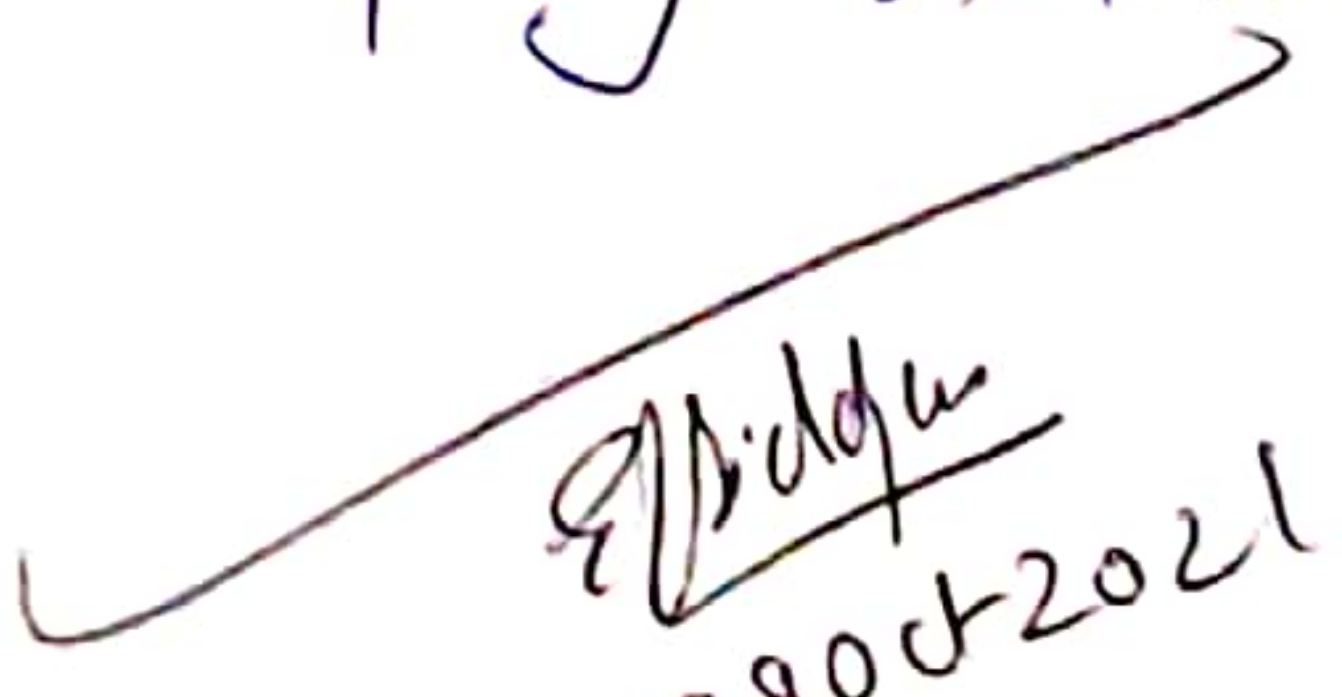
 Language Known : English, Hindi

 Hobbies : I Love reading books

 Expected salary : As per Company Statute

<h3> Declaration </h3>

<p> I ~~heartly~~ hereby declare that the details furnished above are true and correct </p>


29 Oct 2021

* Adding audio to web page:-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<audio autoplay controls muted >
```

```
<source src="C:/Users/Desktop" type="audio/mpeg">
```

```
<source src="C:/Users/Desktop" type="audio/wav">
```

```
<source src="C:/Users/Desktop" type="audio/ogg">
```

```
<p> audio file is not supported </p>
```

```
</audio>
```

```
</body>
```

```
</html>
```

* Adding video to web page:-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<video controls autoplay loop width="500px" height="400">
```

```
<source src="C:/Users/Desktop" type="video/mp4">
```

```
</video>
```

```
</body>
```

```
</html>
```

* Adding youtube video to web page:-

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<iframe src="www.youtube.com/MNBP-Vr6" height="400px" width="700px">
```

```
</iframe>
```


</body>

</html>

* Adding frames to web page:-

<!DOCTYPE html>

<~~body~~ html>

<body>

<frameset cols="50%, 20%, 30%">

<iframe src="file1.html"> </iframe>

<iframe src="file2.html"> </iframe>

<iframe src="file3.html"> </iframe>

</frameset>

CSS (Cascading Style Sheets)

CSS can be added to HTML document in three ways:-

(i) Inline CSS:- An inline CSS is used to apply a unique style to a single HTML element. An inline CSS uses the style attribute of an HTML element.

e.g. `<h1 style="color: blue;"> A Blue heading </h1>`

(ii) Internal CSS:- An internal CSS is used to define a style for a single HTML page.

An internal CSS is defined in `<head>` section of an HTML page, within a `<style>` element.

e.g.

```
<head>
  <style>
    body { background-color: powderblue; }
    h1 { color: blue; }
    p { color: red; }
  </style>
```

(iii) External CSS:- An external CSS is used to define the style for many HTML pages.

To use an external style sheet, add a link to it in the `<head>` section of HTML page:

e.g.

```
<head>
  <link rel="stylesheet" href="styles.css">
</head>
```


* Adding border, Background color and Text color with the help of Inline CSS:-

```
<!DOCTYPE HTML>
```

```
<html>
```

```
< body>
```

```
<h1 style = "font-size: 50px; color: Green; border-style: dashed;  
;border-color: red; border-width: 10px; background-  
color: white"; width: 200px> Integral university
```

```
</h1>
```

```
</html>
```

```
</body>
```

```
</html>
```