

# IT LAB II – Week 2

Suvam Basak

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MTech IT

## 1) Build a Technical Documentation Page

The screenshot shows a web browser with the address bar displaying '127.0.0.1:5500/week\_2/01/index.html'. The page title is 'Supply Chain Management using Ethereum-Blockchain'. The page is divided into two main sections: 'Quick Access' and 'Functionalities'.

**Quick Access**

- Functionalities
- Install metatask wallet
- Setup a local server
- Run
- Screenshots

**Functionalities**

The producer can register him as a producer  
After registration he can add products, the attributes of a product are

- Product ID
- Product name
- Price
- Quantity

The producer should be able to change the price if he wants.  
Customer can view the products  
Customer can order the products (no need of sending money, only COD)  
Customer can track the product using the order ID  
The status of the order are

- Placed
- Rejected
- Delivered

The producer has the authority to change the status of the product (when the customer places an order, the status will be "Placed").

**Install metatask wallet**

Install metatask wallet using this [Link](#). Just collect some ether and you are good to go.

**Setup a local server**

Install Node.js and npm

```
$ sudo apt install nodejs npm  
$ sudo npm install http-server -g
```

**Run**

The screenshot shows the 'Run' and 'Screenshots' sections of the technical documentation page.

**Run**

Clone the repository and start http-server. Install Node.js and npm

```
$ git clone https://github.com/suvambasak/supply-chain-ethereum  
$ cd supply-chain-ethereum/  
$ http-server
```

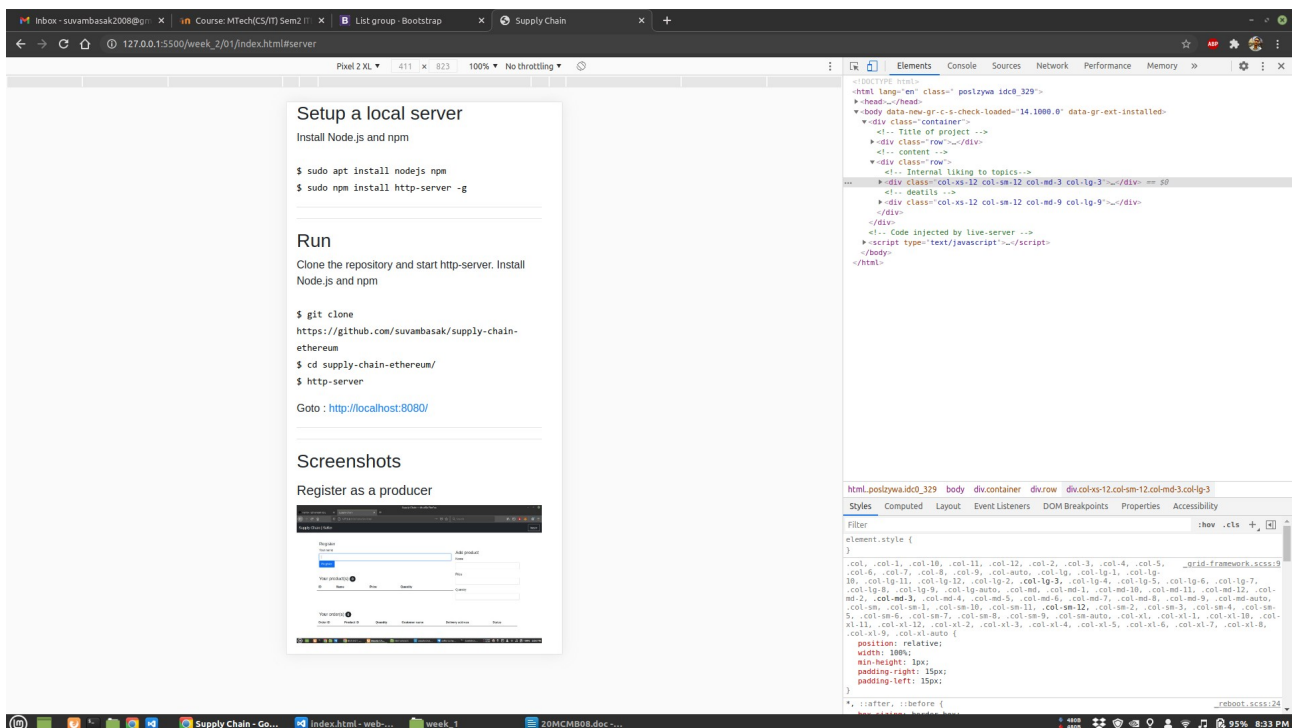
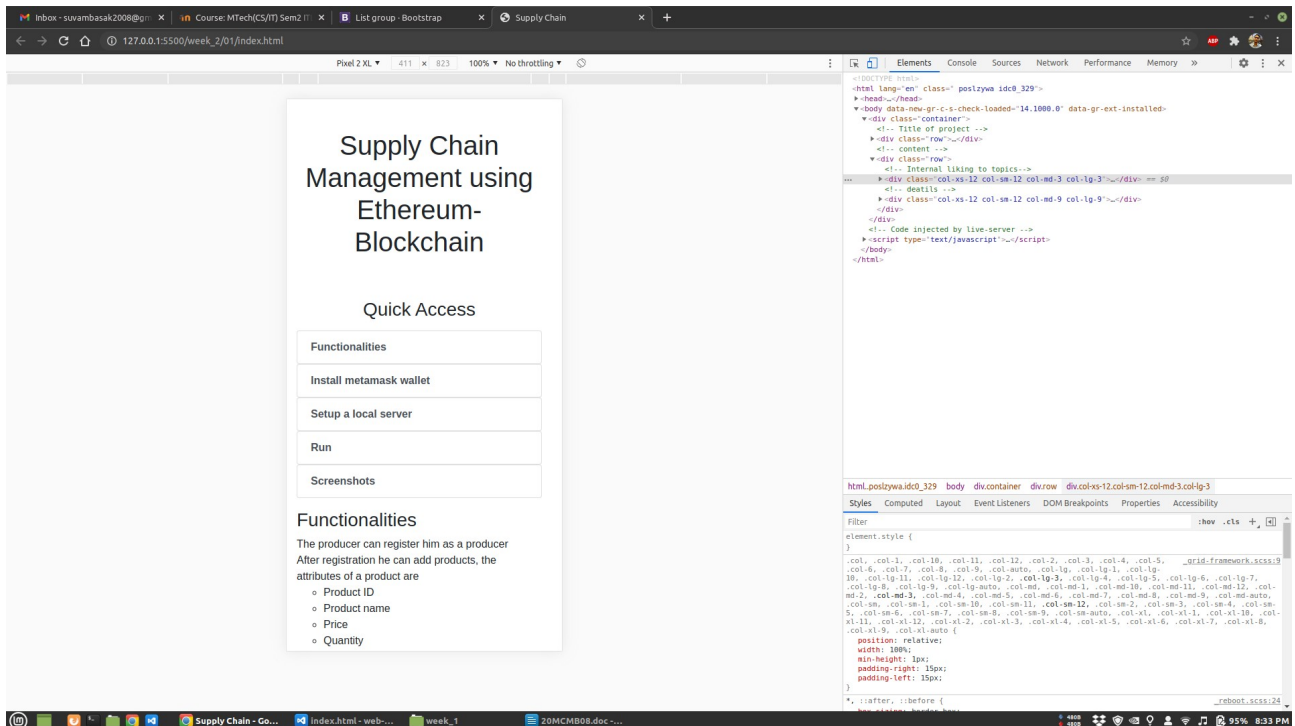
Goto : <http://localhost:8080/>

**Screenshots**

Register as a producer

The screenshot shows a web browser displaying the 'Supply Chain | Seller' interface. The interface includes a 'Register' section with a 'Your name' input field and a 'Register' button. There is also an 'Add product' section with a 'Name' input field, a 'Price' input field, and a 'Quantity' input field. Below these sections, there is a table titled 'Your product(s)' with columns for 'ID', 'Name', 'Price', and 'Quantity'. At the bottom, there is a table titled 'Your order(s)' with columns for 'Order ID', 'Product ID', 'Quantity', 'Customer name', 'Delivery address', and 'Status'.

Register as a producer



## HTML

<!doctype html>

<html lang="en">

<head>

```
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.c
ss"
        integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

<title>Supply Chain</title>

<!-- Style -->
<style>
    .project_title {
        text-align: center;
        margin-top: 15px;
        margin-bottom: 15px;
    }

    .project_title_outer {
        margin-top: 30px;
        margin-bottom: 30px;
    }

    .screen_head {
        margin-top: 15px;
        margin-bottom: 10px;
    }

    .code {
        text-align: left;
        white-space: pre-line;
    }
```

```

        color: black;
    }
</style>
</head>

<body>
    <div class="container">

        <!-- Title of project -->

        <div class="row">
            <div class="col project_title_outer">
                <h1 class="project_title">Supply Chain Management using
Ethereum-Blockchain</h1>
            </div>
        </div>

        <!-- content -->
        <div class="row">

            <!-- Internal liking to topics-->
            <div class="col-xs-12 col-sm-12 col-md-3 col-lg-3">
                <p class="h3 project_title">Quick Access</p>
                <div class="list-group">
                    <a href="#f">
                        <button type="button" class="list-group-item
list-group-item-action">
                            <b>Functionalities</b>
                        </button>
                    </a>

                    <a href="#meta">
                        <button type="button" class="list-group-item
list-group-item-action">
                            <b>Install metamask wallet</b>

```

```

        </button>
    </a>

    <a href="#server">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Setup a local server</b>
        </button>
    </a>

    <a href="#run">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Run</b>
        </button>
    </a>

    <a href="#screen">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Screenshots</b>
        </button>
    </a>
</div>
</div>

<!-- deatils -->
<div class="col-xs-12 col-sm-12 col-md-9 col-lg-9">

    <!-- Functionalities -->
    <div id="f">
        <p class="lead">
        <p class="h3">Functionalities</p>
        <ul class="list-unstyled">
            <li>The producer can register him as a producer</
li>

```

<li>After registration he can add products, the attributes of a product are

- <li>Product ID</li>
- <li>Product name</li>
- <li>Price</li>
- <li>Quantity</li>

</li>

<li>The producer should be able to change the price if he wants.</li>

<li>Customer can view the products</li>

<li>Customer can order the products (no need of sending money, only COD)</li>

<li>Customer can track the product using the order ID</li>

<li>The status of the order are

- <li>Placed</li>
- <li>Rejected</li>
- <li>Delivered</li>

</li>

<li>The producer has the authority to change the status of the product (when the customer places an order, the status will be "Placed").</li>

</ul>

</p>

</div>

<hr>

<hr>

<!-- Install wallet -->

<div id="meta">

<p class="lead">

<p class="h3">Install metamask wallet</p>

Install metamask wallet using this

<a

href="https://addons.mozilla.org/en-US/firefox/addon/ether-metamask/?utm\_source=addons.mozilla.org&utm\_medium=referral&utm\_content=search">Link</a>.

Just collect some ether and you are good to go.

</p>

</div>

<hr>

<hr>

<!-- local server -->

<div id="server">

<p class="lead">

<p class="h3">Setup a local server</p>

Install Node.js and npm

<div>

<code class="code">

\$ sudo apt install nodejs npm

\$ sudo npm install http-server -g

</code>

</div>

</p>

</div>

<hr>

<hr>

<!-- Run -->

<div id="run">

<p class="lead">

<p class="h3">Run</p>

Clone the repository and start http-server. Install

Node.js and npm

```
<div>
    <code class="code">
        $ git clone
https://github.com/suvambasak/supply-chain-ethereum
        $ cd supply-chain-ethereum/
        $ http-server
    </code>
</div>
</p>
    Goto : <a
href="http://localhost:8080/">http://localhost:8080/</a>
</div>
<hr>
<hr>
```

<!-- Screenshots -->

<div id="screen">

<p class="lead">

<p class="h3">Screenshots</p>

<p class="h5 screen\_head">Register as a producer</p>



<p class="h5 screen\_head">Register as a producer</p>



<p class="h5 screen\_head">Change price of any product</p>



<p class="h5 screen\_head">View the products</p>





```
                <p class="h5 screen_head">Order products</p>
                
```

```
                <p class="h5 screen_head">Customer can track the
product by order ID</p>
                
```

```
                <p class="h5 screen_head">View of orders & Status
change</p>
                
```

```
            </p>
        </div>
```

```
    </div>
```

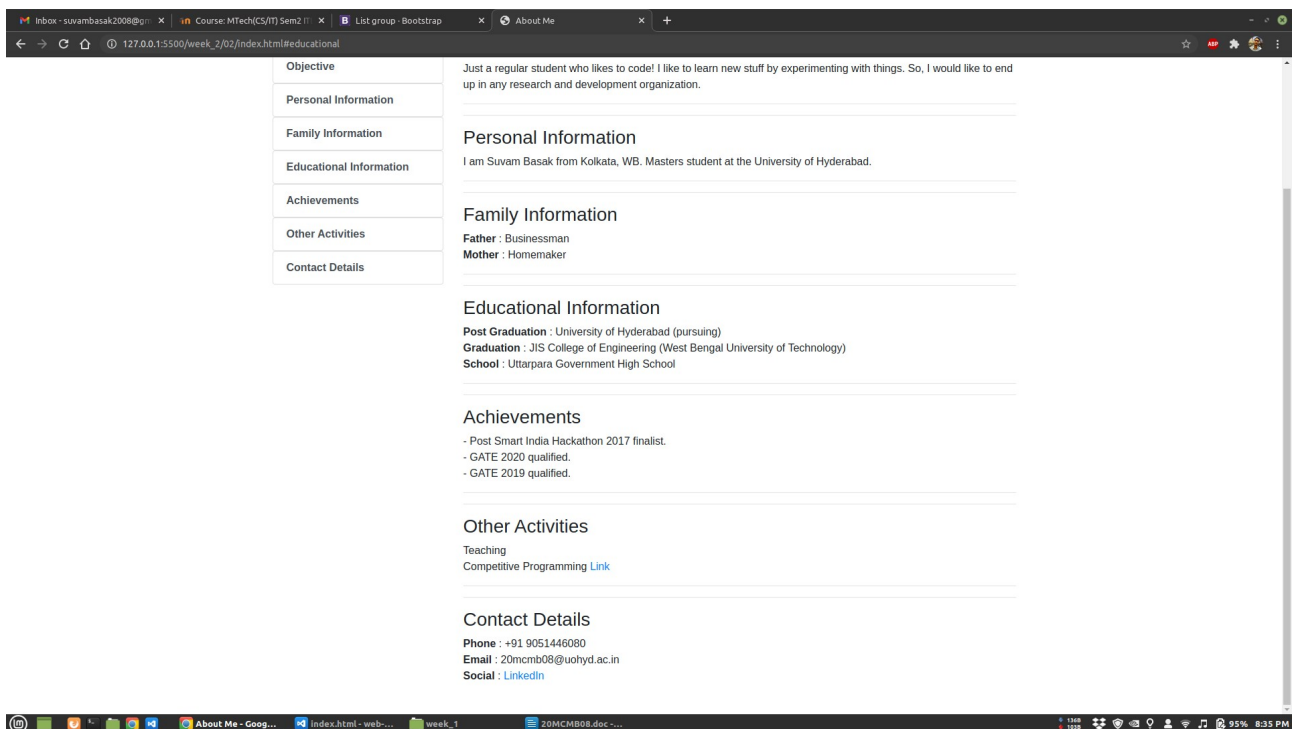
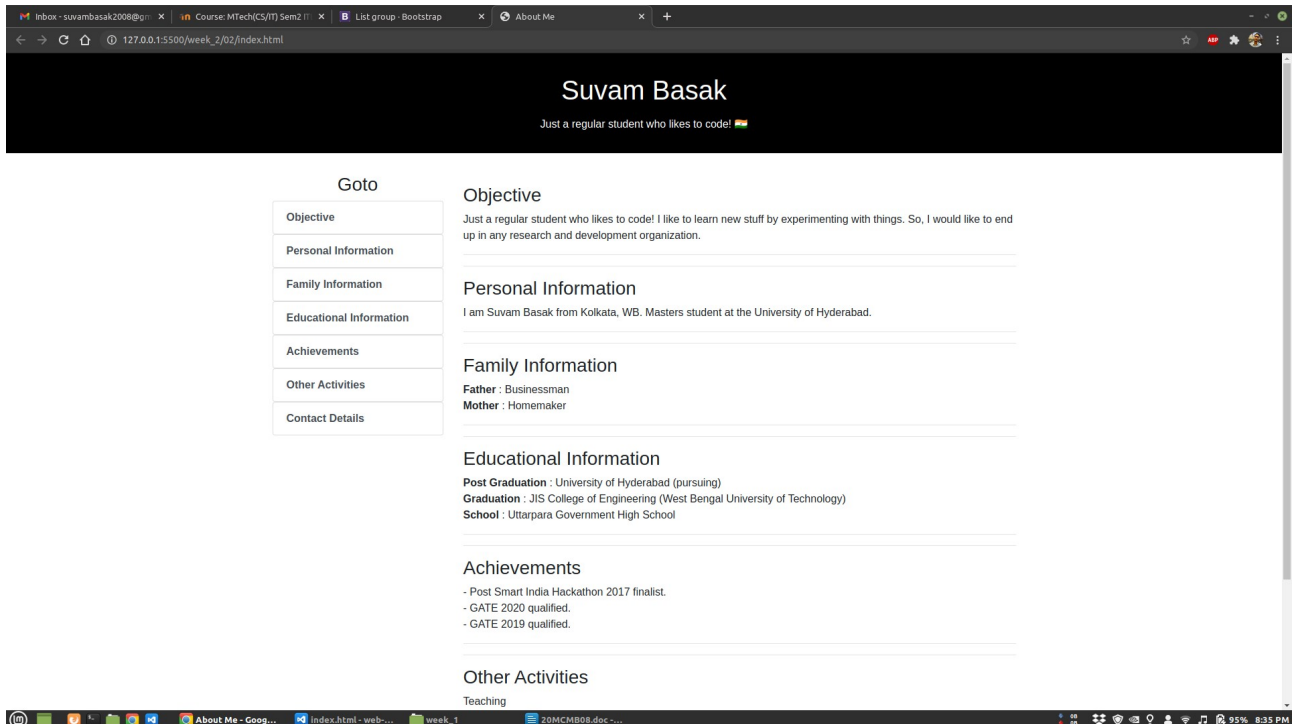
```
    </div>
```

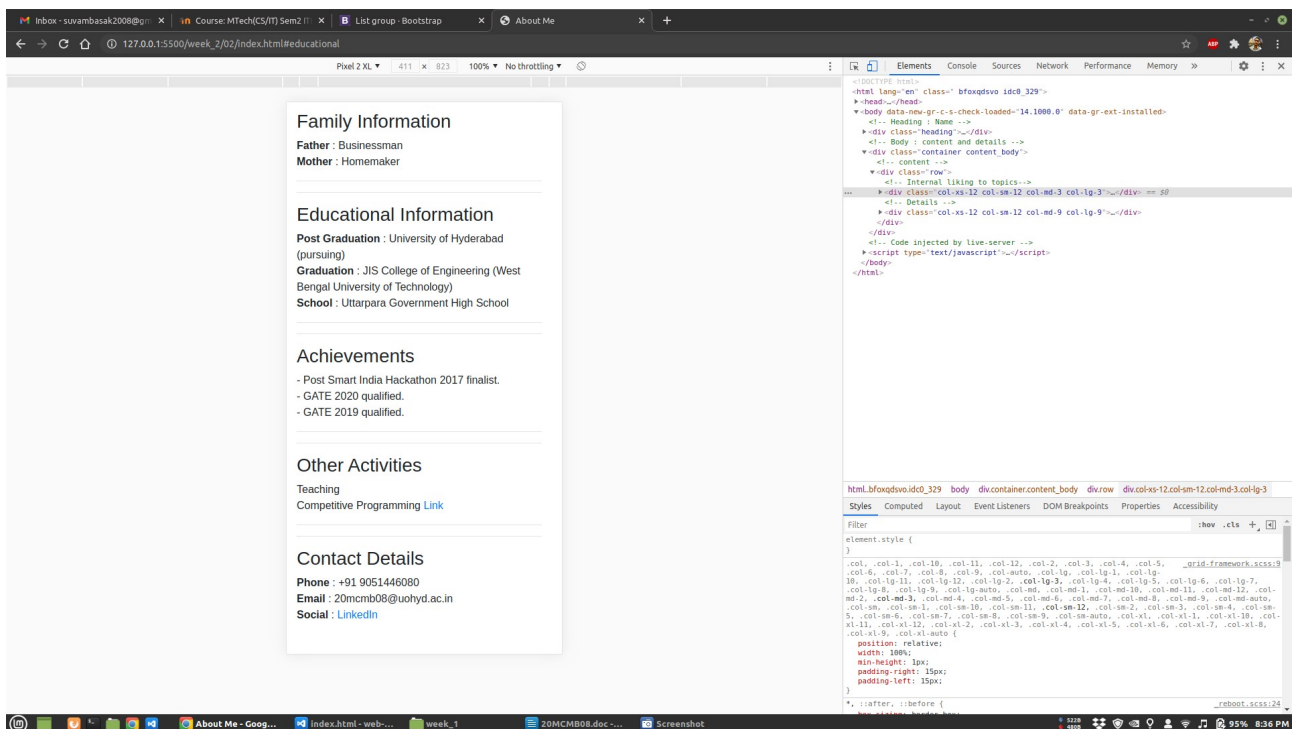
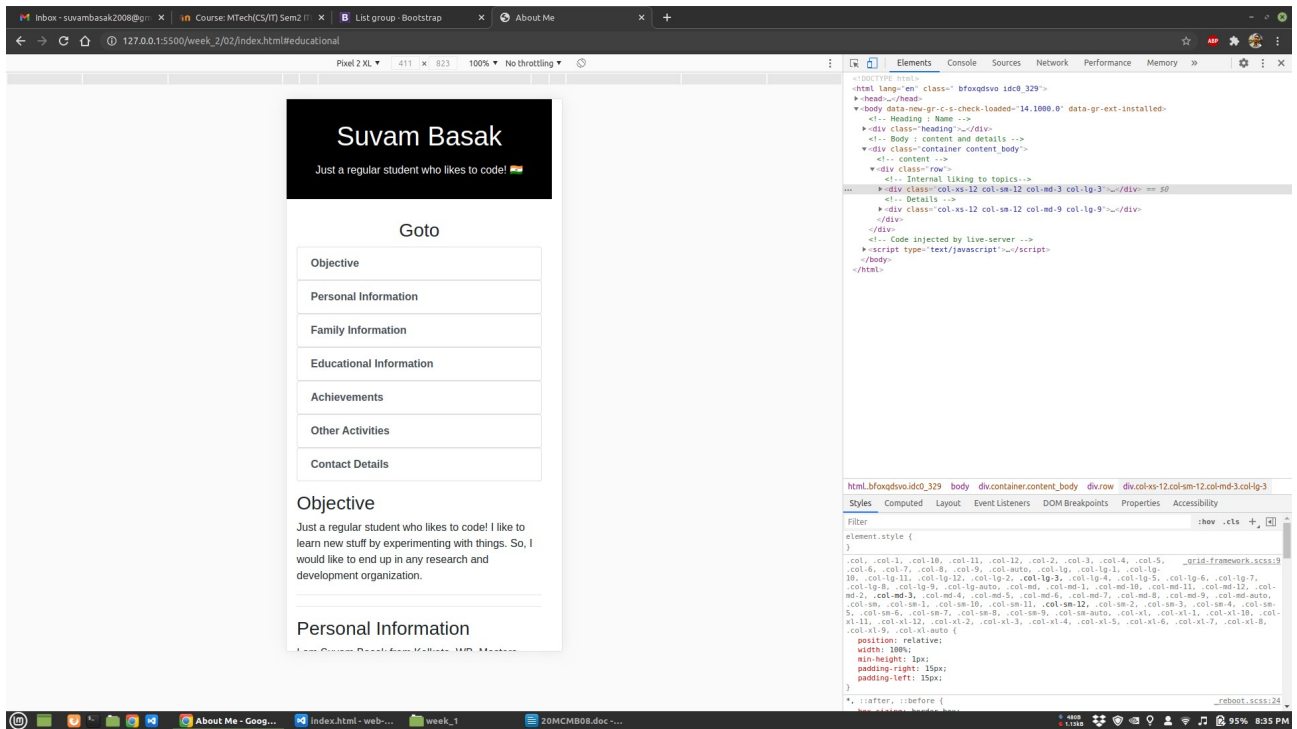
```
    </div>
```

```
</body>
```

```
</html>
```

## 2) Build a Personal Portfolio page





## HTML

```
<!doctype html>
```

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

```
<head>
```

```
<!-- Required meta tags -->
```

```
<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">


<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.c
ss"
        integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">


<title>About Me</title>


<!-- Style -->
<style>
    .heading {
        border: 1px solid black;
        background-color: black;
    }

    .content_body {
        margin-top: 30px;
        margin-bottom: 30px;
    }

    .name {
        text-align: center;
        color: white;
        margin-top: 15px;
        margin-bottom: 15px;
    }

    .name_outer {
        margin-top: 30px;
        margin-bottom: 30px;
    }
```

```

    }
</style>
</head>

<body>

    <!-- Heading : Name -->
    <div class="heading">
        <div class="name_outer">
            <h1 class="name">Suvam Basak</h1>
            <p class="name">Just a regular student who likes to code!
</p>
        </div>
    </div>

    <!-- Body : content and details -->
    <div class="container content_body">

        <!-- content -->
        <div class="row">

            <!-- Internal liking to topics-->
            <div class="col-xs-12 col-sm-12 col-md-3 col-lg-3">

                <p class="h3" style="text-align: center;">Goto</p>
                <div class="list-group">

                    <a href="#objective">
                        <button type="button" class="list-group-item
list-group-item-action">
                            <b>Objective</b>
                        </button>
                    </a>

                    <a href="#personal">

```

```
list-group-item-action">
    <button type="button" class="list-group-item
list-group-item-action">
        <b>Personal Information</b>
    </button>
</a>
```

```

    <a href="#family">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Family Information</b>
        </button>
    </a>
```

```

    <a href="#educational">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Educational Information</b>
        </button>
    </a>
```

```

    <a href="#achievements">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Achievements</b>
        </button>
    </a>
```

```

    <a href="#other">
        <button type="button" class="list-group-item
list-group-item-action">
            <b>Other Activities</b>
        </button>
    </a>
```

```

    <a href="#contact">
```

```
list-group-item-action">
```

```
    <b>Contact Details</b>
```

```
  </button>
```

```
</a>
```

```
</div>
```

```
</div>
```

```
<!-- Details -->
```

```
<div class="col-xs-12 col-sm-12 col-md-9 col-lg-9">
```

```
  <!-- objective -->
```

```
  <div id="objective">
```

```
    <p class="lead">
```

```
    <p class="h3">Objective</p>
```

```
    Just a regular student who likes to code! I like to  
learn new stuff by experimenting with things.
```

```
    So, I would like to end up in any research and  
development organization.
```

```
  </p>
```

```
</div>
```

```
<hr>
```

```
<hr>
```

```
<!-- Personal -->
```

```
<div id="personal">
```

```
  <p class="lead">
```

```
  <p class="h3">Personal Information</p>
```

```
    I am Suvam Basak from Kolkata, WB. Masters student at  
the University of Hyderabad.
```

```
  </p>
```

```
</div>
```

```
<hr>
```

```
<hr>
```

```
<!-- Family -->
<div id="family">
  <p class="lead">
    <p class="h3">Family Information</p>
    <b>Father</b> : Businessman <br>
    <b>Mother</b> : Homemaker
  </p>
</div>
<hr>
<hr>
```

```
<!-- Educational -->
<div id="educational">
  <p class="lead">
    <p class="h3">Educational Information</p>
    <b>Post Graduation</b> : University of Hyderabad
    (pursuing) <br>
    <b>Graduation</b> : JIS College of Engineering (West
    Bengal University of Technology) <br>
    <b>School</b> : Uttarpara Government High School
  </p>
</div>
<hr>
<hr>
```

```
<!-- Achievements -->
<div id="achievements">
  <p class="lead">
    <p class="h3">Achievements</p>
    <ul class="list-unstyled">
      <li>- Post Smart India Hackathon 2017 finalist.</
li>
      <li>- GATE 2020 qualified.</li>
      <li>- GATE 2019 qualified.</li>
    </ul>
```



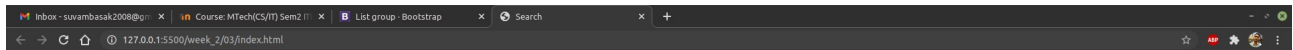
```
        </p>
    </div>
    <hr>
    <hr>

    <!-- Other -->
    <div id="other">
        <p class="lead">
            <p class="h3">Other Activities</p>
            Teaching <br>
            Competitive Programming <a
href="https://www.hackerrank.com/suvambasak">Link</a>
        </p>
    </div>
    <hr>
    <hr>

    <!-- Contact -->
    <div id="contact">
        <p class="lead">
            <p class="h3">Contact Details</p>
            <b>Phone</b> : +91 9051446080 <br>
            <b>Email</b> : 20mcmb08@uohyd.ac.in <br>
            <b>Social</b> : <a href="https://www.linkedin.com/in/
suvambasak/">LinkedIn</a>
        </p>
    </div>

    </div>
</div>
</div>
</body>
</html>
```

### 3) Build a Google.com similar page



## Search Engine

Search ItTry Something!

## Search Engine

Search It Try Something!

```
<!doctype html>
<html lang="en" class="kkockkcvj idc0 329">
<head>
</head>
<body data-new-gr-c-s-check-loaded="14.1000.0" data-gr-ext-installed=">
<div class="container">
<!-- Logo: Search engine -->
<div class="row justify-content-center"></div>
<div class="row justify-content-center">
<!-- Search bar -->
<div class="row justify-content-center"></div>
<!-- Search button -->
<div class="row"></div>
</div>
<!-- Code injected by live-server -->
<script type="text/javascript"></script>
</body>
</html>
```

HTML:kkockkcvj idc0\_329 body div.container div.row

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

element.style { }

.row {

--bs-gutter-x: 1.5rem;

--bs-gutter-y: 0;

display: flex;

flex-wrap: wrap;

margin-top: calc(var(--bs-gutter-y) \* 1);

margin-right: calc(var(--bs-gutter-x) / -2);

margin-left: calc(var(--bs-gutter-x) / -2);

\*::after, ::before {

box-sizing: border-box;

}

div {

display: block;

}

## HTML

<!doctype html>

<html lang="en">

<head>

```
<!-- Required meta tags -->
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!-- Bootstrap CSS -->
```

```
<link
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta2/dist/css/  
bootstrap.min.css" rel="stylesheet"
```

```
integrity="sha384-BmbxuPwQa2lc/FVzBcNJ7UAyJxM6wuqIj61tLrc4wSX0szH/  
Ev+nYRRuWlo1flfl" crossorigin="anonymous">
```

```
<title>Search</title>
```

```
<!-- Style -->
```

```
<style>
```

```
h1 {  
    text-align: center;  
}
```

```
#logo {  
    font-size: 50px;  
    padding-top: 200px;  
    padding-bottom: 50px;  
}
```

```
#search_bar {  
    padding-top: 10px;  
    padding-bottom: 10px;  
    padding-right: 20px;  
    padding-left: 25px;  
    font-size: 25px;  
    border-radius: 27px;  
    box-shadow: 3px 3px 3px #a1a1a1;  
}
```

```

        #btn_set {
            margin-top: 45px;
            margin-bottom: 100px;
        }
    </style>

</head>

<body>
    <div class="container">

        <!-- Logo: Search engine -->
        <div class="row justify-content-center">
            <div class="col-md-5">
                <h1 id="logo">Search Engine</h1>
            </div>
        </div>

        <!-- Input : Search bar -->
        <div class="row justify-content-center">
            <div class="col-md-8">
                <input class="form-control" type="text"
placeholder="Search here" id="search_bar">
            </div>
        </div>

        <!-- Search button -->
        <div class="row">
            <div class="d-flex justify-content-center" id="btn_set">
                <div class="col-md-2 col-sm-12 col-xs-12">
                    <button type="button" class="btn btn-light btn-
lg">Search It</button>
                </div>
                <div class="col-md-2 col-sm-12 col-xs-12">

```

```
        <button type="button" class="btn btn-light btn-  
lg">Try Somthing!</button>  
    </div>  
</div>  
</div>  
</div>  
</body>  
</html>
```