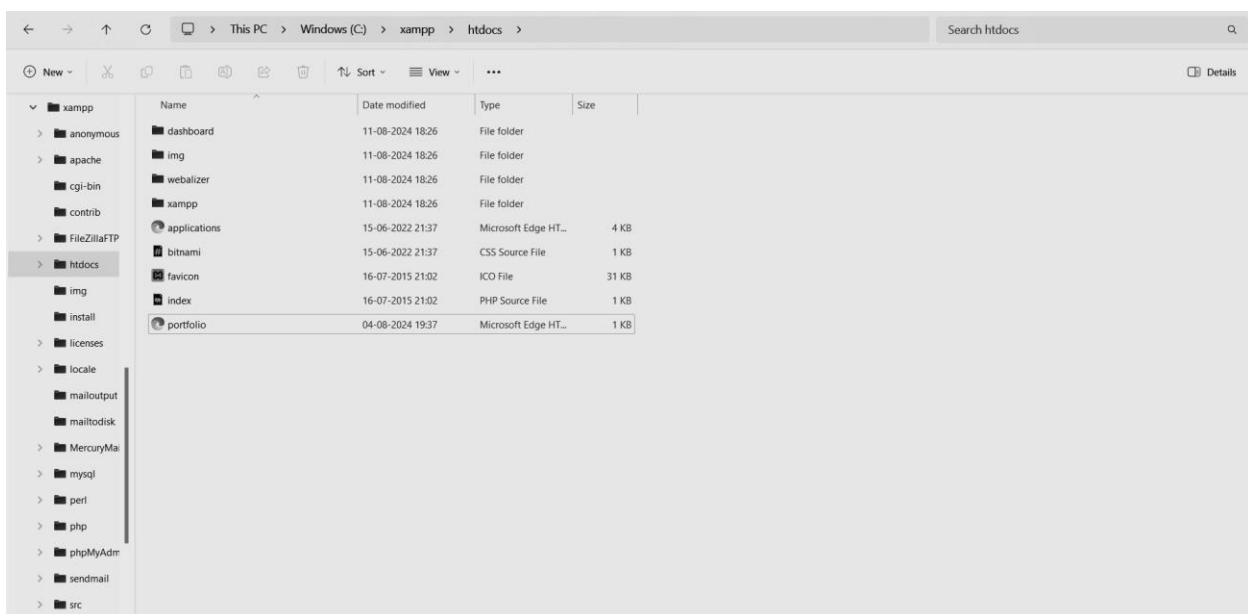


a)Hosting of html file on a local virtual machine using Xampp

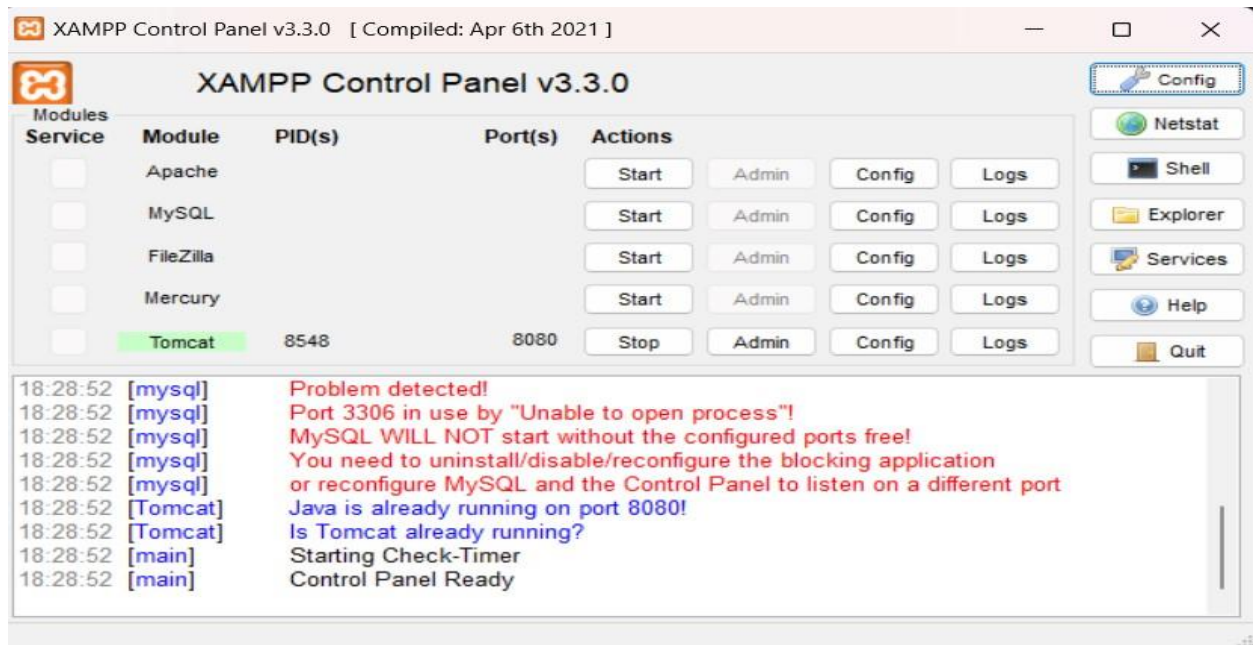
1. Create an portfolio file with name portfolio.html.

```
<> portfolio.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Portfolio</title>
7  </head>
8  <body>
9      <h1>Bhushan Malpani</h1>
10     <br>
11     |
12     <h2>Education</h2>
13     <ul>
14         <li><b>10th class (CBSE)</b>: 94.8%</li>
15         <li><b>12th class (HSC)</b>: 90%</li>
16         <li><b>Bachelor in Engineering(IT)</b></li>
17     </ul>
18     <h2>Skills</h2>
19     <ul>
20         <li>HTML,CSS,JS</li>
21         <li>Java,C++</li>
22     </ul>
23     <h2>Hobbies</h2>
24     <ul>
25         <li>Cricket</li>
26         <li>Music</li>
27     </ul>
28     <h2>Contact Me</h2>
29     <ul>
30         <li><b>Email</b>:bhushanmalpani45@gmail.com</li>
31         <li><b>Contact No.</b>:9423244006/;</li>
32     </ul>
33 </body>
34 </html>
```

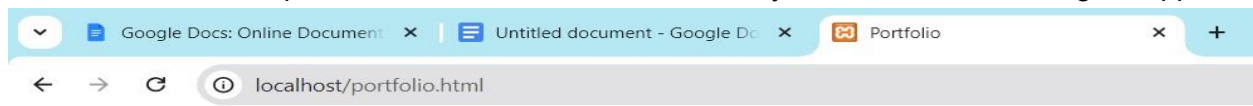
2. Save this file in htdocs file in Xampp folder in C drive:



3. Make sure Xampp is installed and then start Xampp control panel and start the module Apache and Mysql.



4. Access the content of the portfolio page using **localhost/portfolio.html** in any web browser. Your portfolio should be hosted successfully on local machine using Xampp.



Bhushan Malpani

Education

- 10th class (CBSE): 94.8%
- 12th class (HSC): 90%
- Bachelor in Engineering(IT)

Skills

- HTML,CSS,JS
- Java,C++

Hobbies

- Cricket
- Music

Contact Me

- Email: bhushanmalpani45@gmail.com
- Contact No.: 9423244006/;

Static Hosting Using AWS

Navigate to S3 Service:

In the AWS Management Console, select Services and then S3 under Storage.

The screenshot shows the 'Create bucket' page in the AWS Management Console. The breadcrumb navigation at the top reads 'Amazon S3 > Buckets > Create bucket'. The main heading is 'Create bucket' with an 'Info' link. Below this, a sub-header 'General configuration' is displayed. The 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. Under 'Bucket type', there are two options: 'General purpose' (selected with a radio button) and 'Directory - New'. The 'General purpose' option is described as recommended for most use cases and access patterns, allowing a mix of storage classes that redundantly store objects across multiple Availability Zones. The 'Directory - New' option is recommended for low-latency use cases and uses only the S3 Express One Zone storage class. Below the bucket type selection, the 'Bucket name' field is populated with 'www.bhushan.com'. A note states that the bucket name must be unique within the global namespace and follow the bucket naming rules, with a link to 'See rules for bucket naming'. There is a section for 'Copy settings from existing bucket - optional' with a note that only the bucket settings in the following configuration are copied. A 'Choose bucket' button is present. At the bottom, the format 's3://bucket/prefix' is shown.

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
US East (N. Virginia) us-east-1

Bucket type [Info](#)

☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory - New**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

www.bhushan.com

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

Create a Bucket:

- Click on **Create bucket**.
- **Bucket name:** Enter a unique name that is globally unique • **Region:** Select a region (usually closest to your users).
- **Block Public Access Settings:** Uncheck **Block all public access**. Confirm the warning that appears about the public access settings. • Click **Create bucket**.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation links: Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings for this account, Storage Lens (expanded), Dashboards, Storage Lens groups, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area is titled 'Amazon S3' and shows an 'Account snapshot' at the top. Below this, there are tabs for 'General purpose buckets' and 'Directory buckets'. The 'General purpose buckets' tab is active, displaying a table of buckets. The table has columns for Name, AWS Region, IAM Access Analyzer, and Creation date. One bucket is listed: 'www.bhushan.com' in the 'US East (N. Virginia) us-east-1' region, created on 'August 4, 2024, 19:26:54 (UTC+05:30)'. Above the table, there are buttons for 'Create bucket', 'Empty', 'Delete', and 'Copy ARN'. A search bar is also present above the table.

Name	AWS Region	IAM Access Analyzer	Creation date
www.bhushan.com	US East (N. Virginia) us-east-1	View analyzer for us-east-1	August 4, 2024, 19:26:54 (UTC+05:30)

Upload Files:

- Click on **Upload**.
- Drag and drop your static website files or use the **Add files** and **Add folder** buttons to upload your HTML, CSS, JavaScript, and image files. • Click **Upload** to start the upload process.

The screenshot shows the AWS S3 console's 'Upload' page. The breadcrumb trail is 'Amazon S3 > Buckets > www.bhushan.com > Upload'. The page title is 'Upload' with an 'Info' link. A message states: 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)'. Below this is a dashed box with the instruction: 'Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.' The 'Files and folders' section shows '1 Total, 853.0 B'. It includes a search bar 'Find by name', a table with columns 'Name', 'Folder', and 'Type', and a 'Remove' button. The table contains one entry: 'portfolio.html' with folder '-' and type 'text/html'. Below this is the 'Destination' section with the path 's3://www.bhushan.com'. A green banner at the bottom indicates 'Upload succeeded' with a 'View details below' link. Below the banner is a light blue box with a warning: 'The information below will no longer be available after you navigate away from this page.' The 'Summary' section shows the destination 's3://www.bhushan.com', 'Succeeded' status with '1 file, 853.0 B (100.00%)', and 'Failed' status with '0 files, 0 B (0%)'. The 'Files and folders' tab is active, showing a table with columns: 'Name', 'Folder', 'Type', 'Size', 'Status', and 'Error'. The table contains one entry: 'portfolio.ht...' with folder '-', type 'text/html', size '853.0 B', status 'Succeeded', and error '-'. There is also a 'Configuration' tab.

aws Services Search [Alt+S]

Amazon S3 > Buckets > www.bhushan.com > Upload

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 Total, 853.0 B) [Remove](#) [Add files](#) [Add folder](#)

All files and folders in this table will be uploaded.

< 1 >

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	portfolio.html	-	text/html

Destination [Info](#)

Destination
s3://www.bhushan.com

Upload succeeded
View details below.

[The information below will no longer be available after you navigate away from this page.](#)

Summary

Destination s3://www.bhushan.com	Succeeded ✔ 1 file, 853.0 B (100.00%)	Failed ✖ 0 files, 0 B (0%)
-------------------------------------	--	-------------------------------

[Files and folders](#) [Configuration](#)

Files and folders (1 Total, 853.0 B)

< 1 >

Name	Folder	Type	Size	Status	Error
portfolio.ht...	-	text/html	853.0 B	✔ Succeeded	-

4. Configure Bucket for Static Website Hosting

1. Access Bucket Properties:

- Go to the **Properties** tab of your bucket.

Enable Static Website Hosting:

- Scroll down to **Static website hosting** and click **Edit**.
- Select **Enable**.
- **Index document:** Enter `index.html` (or the name of your main HTML file).
- **Error document:** Optionally, enter `error.html` (for handling errors).
- Click **Save changes**.

[Amazon S3](#) > [Buckets](#) > [www.bhushan.com](#) > Edit static website hosting

Edit static website hosting [Info](#)

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

☐ Disable

☒ Enable

Hosting type

☒ Host a static website
Use the bucket endpoint as the web address. [Learn more](#)

☐ Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

i For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document
Specify the home or default page of the website.

Error document - *optional*

aws Services Search [Alt+S]

Specify the home or default page of the website:

portfolio.html

Error document - optional
This is returned when an error occurs.

error.html

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

1

JSON Ln 1, Col 1 Errors: 0 Warnings: 0

Cancel Save changes

Access Permissions Tab: • Go to the **Permissions** tab of your bucket.

Amazon S3 > Buckets > www.bhushan.com

www.bhushan.com Info

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access finding
Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)
[View analyzer for us-east-1](#)

Block public access (bucket settings) Edit

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access
On
Individual Block Public Access settings for this bucket

Click **Save** to apply the policy.

Amazon S3 > Buckets > www.bhushan.com > Edit bucket policy

Edit bucket policy [Info](#)

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Bucket ARN
arn:aws:s3:::www.bhushan.com

Policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "PublicReadGetObject",  
6       "Effect": "Allow",  
7       "Principal": "*",  
8       "Action": "s3:GetObject",  
9       "Resource": "arn:aws:s3:::www.bhushan.com/*"  
10    }  
11  ]  
12 }  
13
```

Test Your Website:

- Use the **Endpoint** URL from the static website hosting configuration to access and test your website.

Check Functionality:

- Ensure that all website pages and resources load correctly.

Amazon S3

Object Lock
Disabled

Requester pays [Edit](#)

When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)

Requester pays
Disabled

Static website hosting [Edit](#)

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)
<http://www.bhushan.com.s3-website-us-east-1.amazonaws.com>

Bhushan Malpani

Education

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- 12th class (HSC): 90%
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