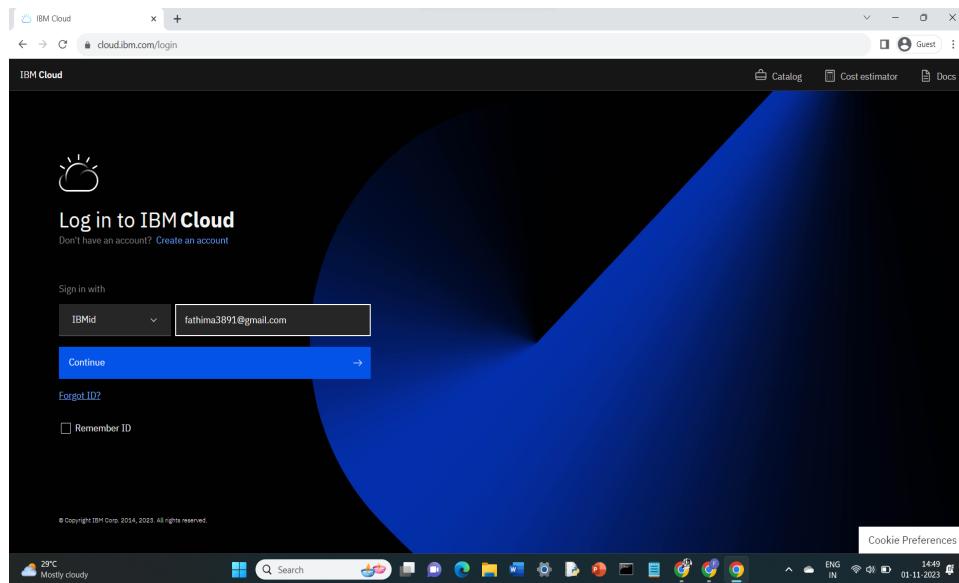


Phase 4: Deployment Part 2

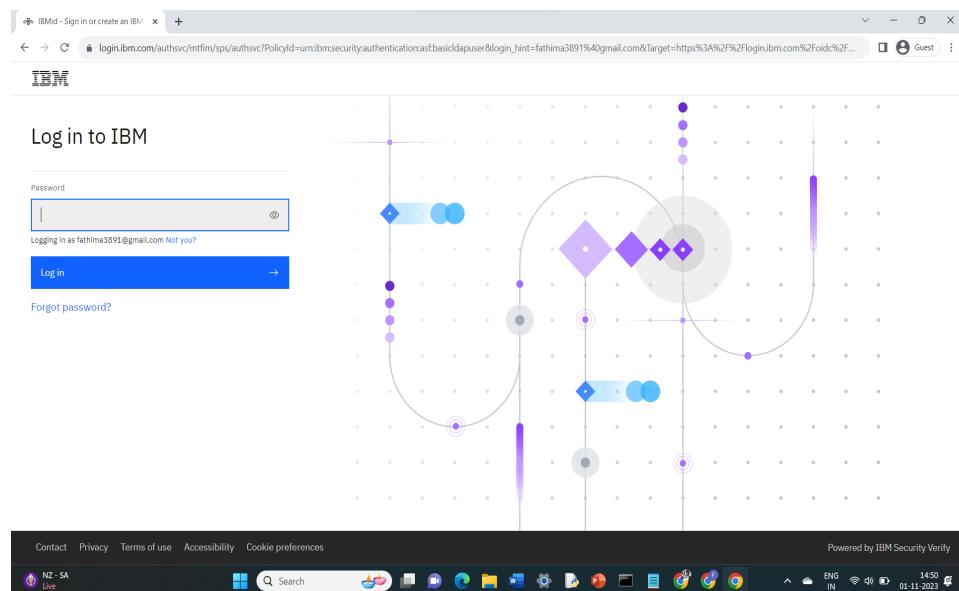
Personal Blog on IBM Cloud Static Web Apps

Steps to Host the Static Travel Blog Website on IBM Cloud:

1. Go to IBM cloud website <https://www.ibm.com/cloud> and sign into your IBM account:



2. Enter the password and click "Log in":



- Now you should see your IBM dashboard. In the search bar at the top, type "Object Storage" and select the first option:

The screenshot shows the IBM Cloud dashboard with a search bar at the top containing the text "object". Below the search bar, there is a section titled "Catalog Results" which lists "Object Storage" as the first result. To the right of the catalog results, there are several cards: "IBM Cloud" (with a brief description), "Explore DevSecOps on IBM Cloud" (with a brief description), "Backup with Veeam" (with a brief description), and "Cloud Object Storage on VPC for SAP HANA Backup" (with a brief description). At the bottom of the dashboard, there are sections for "News", "Recent support cases", "Planned maintenance", and "IBM Cloud status". The status map shows green for most regions.

- The Cloud Object Storage page should look like this:

The screenshot shows the "Cloud Object Storage" creation page. At the top, there is a navigation bar with "Catalog / Services /" and a search bar. Below the navigation, there are two main sections: "Choose an Infrastructure" and "Select a pricing plan". The "Choose an Infrastructure" section contains two options: "IBM Cloud" and "Satellite". The "IBM Cloud" section has a detailed description and a "Create" button. The "Satellite" section also has a detailed description and a "Create" button. Below these sections, there is a table for selecting a pricing plan. The table has columns for "Plan", "Features", and "Pricing". There is one row for the "Lite" plan, which is described as being free for storage capacity up to 25 GB per month. To the right of the table, there is a "Summary" section with details about the service: Region: Global, Plan: Lite, Service name: Cloud Object Storage-0, and Resource group: Default. At the bottom, there are buttons for "Create", "Add to estimate", and "View terms". The status bar at the bottom of the browser window shows the date and time as 01-11-2023 15:28.

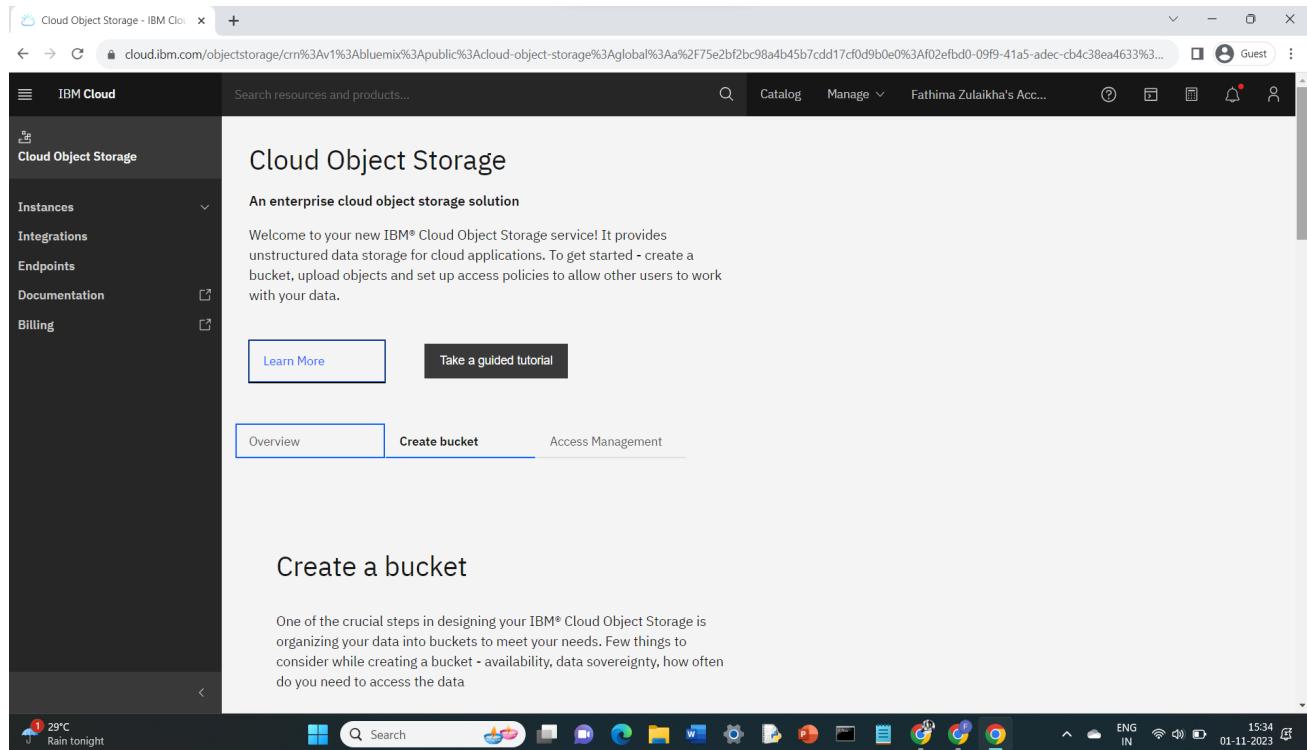
5. Click on "Create":

The screenshot shows the IBM Cloud Object Storage creation interface. On the left, there's a table comparing three plan options: Lite, Standard, and One Rate. The Lite plan is described as free and suitable for trial. The Standard plan is Pay-as-You-Go with no minimum fee. The One Rate plan offers a flat monthly charge. The right side of the screen displays a summary of the selected service, showing it's a Cloud Object Storage instance with a Global region, a Lite plan, and a service name of 'Cloud Object Storage-0f'. Below this, there's a configuration section for the resource, including fields for Service name (set to 'Cloud Object Storage-0f'), Select a resource group (set to 'Default'), and Tags (with an example of 'env:dev, version-1'). A progress bar indicates the process is 'Creating...'. At the bottom, there are buttons for 'Add to estimate' and 'View terms'.

6. This should take you to the Cloud Object Storage user interface which looks like this:

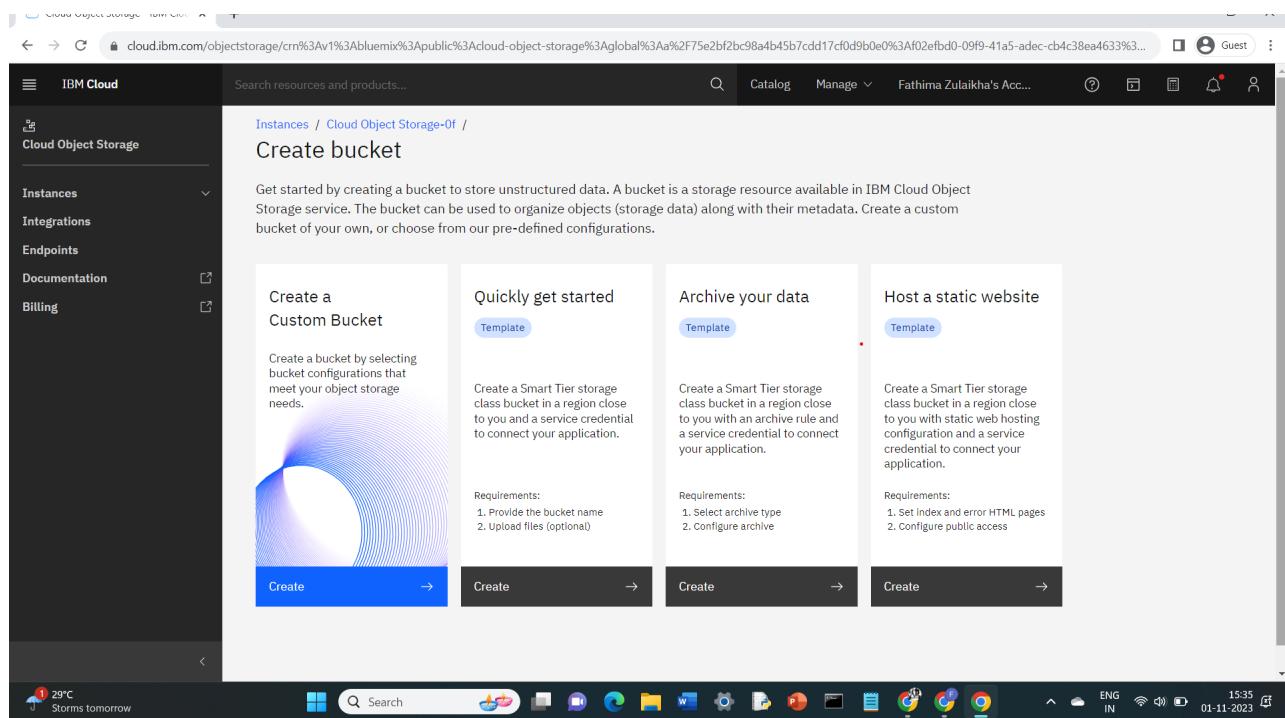
The screenshot shows the IBM Cloud Object Storage user interface. The left sidebar has a navigation menu with 'Cloud Object Storage' selected. The main content area is titled 'Cloud Object Storage' and describes it as an enterprise cloud object storage solution. It welcomes the user to their new service and provides instructions to get started by creating a bucket, uploading objects, and setting access policies. There are two buttons at the top of the main content area: 'Learn More' and 'Take a guided tutorial'. Below these buttons are three navigation tabs: 'Overview' (which is active), 'Create bucket', and 'Access Management'. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

7. Choose the “Create bucket” option and press “Create a bucket”:



The screenshot shows the IBM Cloud Object Storage dashboard. On the left, there's a sidebar with options like Instances, Integrations, Endpoints, Documentation, and Billing. The main area is titled "Cloud Object Storage" and describes it as "An enterprise cloud object storage solution". It includes a welcome message, a "Learn More" button, and a "Take a guided tutorial" button. Below these are tabs for Overview, Create bucket (which is highlighted with a blue border), and Access Management. At the bottom of the dashboard, there's a weather forecast for Rain tonight (29°C) and a taskbar with various application icons.

8. Choose the “Create a Custom Bucket” option:



The screenshot shows the "Create bucket" configuration page. The left sidebar remains the same as the previous dashboard. The main content area has a breadcrumb path "Instances / Cloud Object Storage-0 / Create bucket". It starts with a section titled "Create a Custom Bucket" with a description and a large "Create" button. To its right are three other options: "Quickly get started" (with a "Template" button), "Archive your data" (with a "Template" button), and "Host a static website" (with a "Template" button). Each of these sections has its own requirements listed below it. At the bottom, there's a weather forecast for Storms tomorrow (29°C) and a taskbar with various application icons.

9. Give a Unique name for your Bucket and select “Single Site”:

The screenshot shows the 'Create custom bucket' page in the IBM Cloud Object Storage interface. In the 'Unique bucket name' field, the value 'travel-blog-naanmudhalvan' is entered. A tooltip for 'Bucket naming rules' is displayed, listing requirements: must be unique across the whole IBM Cloud Object Storage system, do not use personal information, must start and end in alphanumeric characters (3 to 63), and allowed characters include lowercase, numbers, and nonconsecutive dots and hyphens. Under 'Resiliency', the 'Single Site' option is selected, indicated by a checked checkbox. Below it, a warning message states 'Resiliency cannot be modified after provisioning'. Under 'Location', the 'Single Site' location is chosen. At the bottom right, there are 'Cancel' and 'Create bucket' buttons, with the latter being blue.

10. The new bucket will be created and look like this:

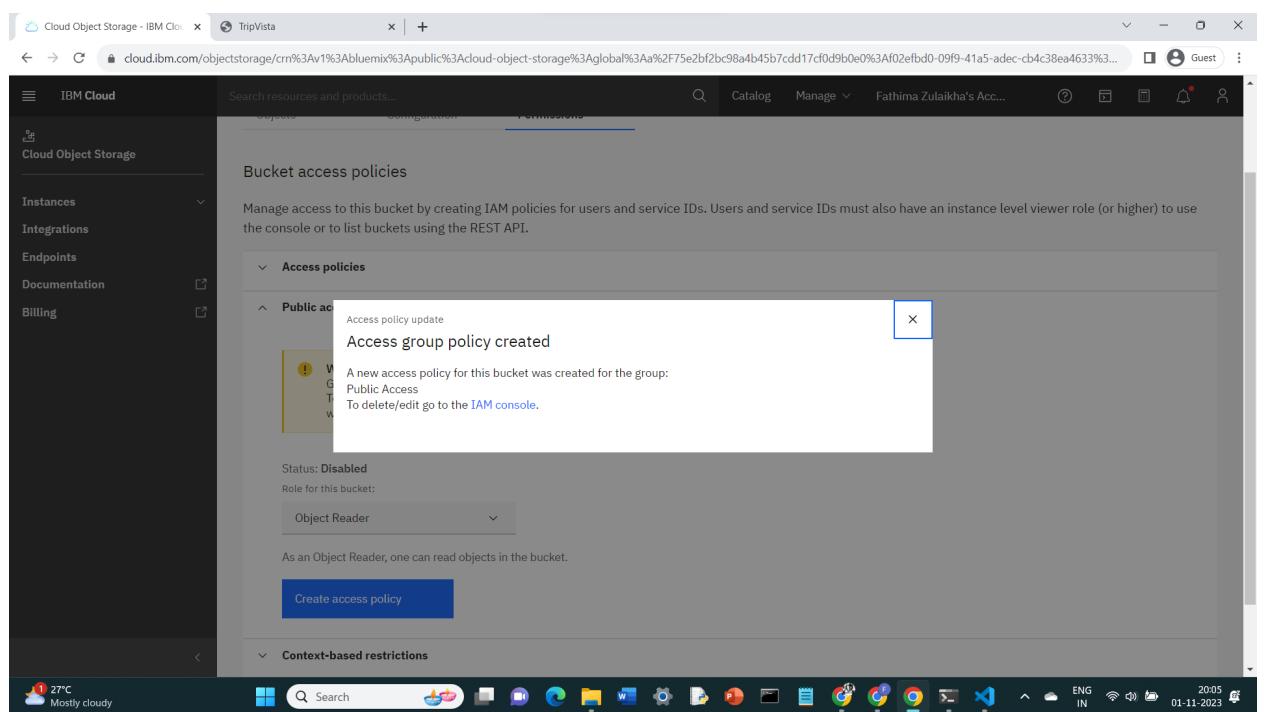
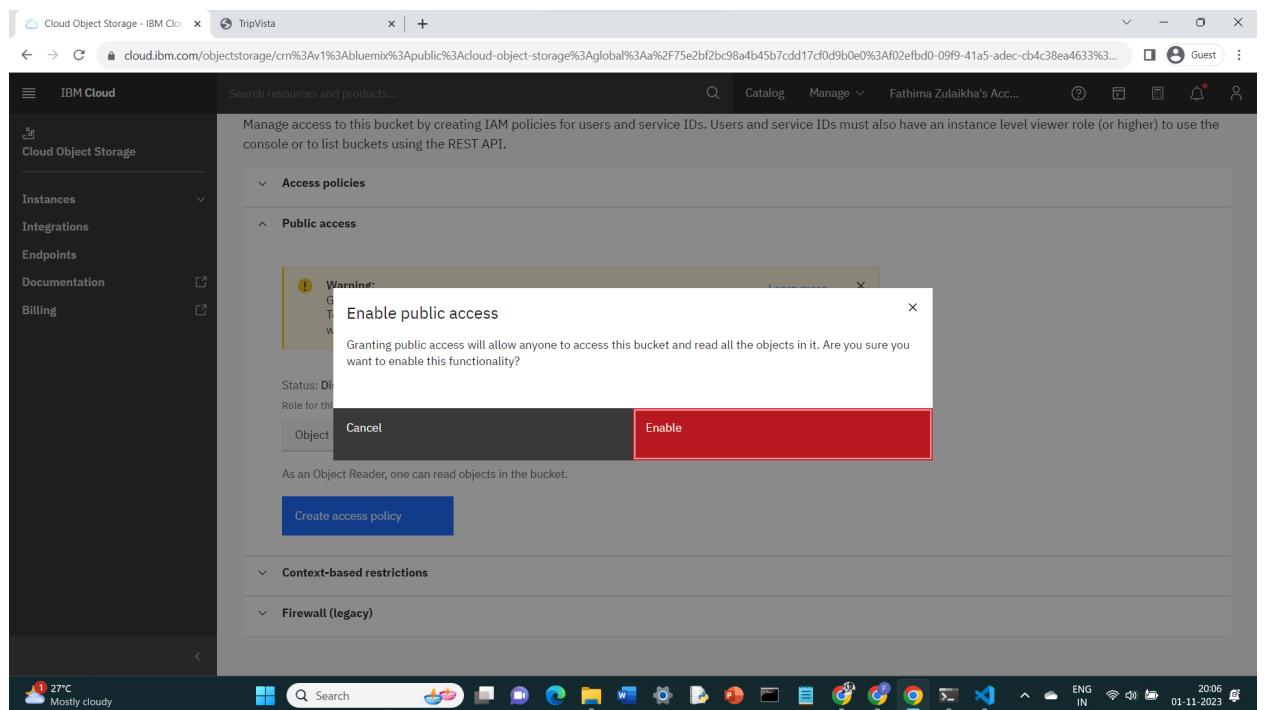
The screenshot shows the 'travel-blog-naanmudhalvan' bucket details page. The left sidebar has 'Cloud Object Storage' selected under 'Instances'. The main area displays the bucket name 'travel-blog-naanmudhalvan'. Below it, there are tabs for 'Objects', 'Configuration', and 'Permissions', with 'Objects' currently selected. A message at the top says, 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)'. Below this is a search bar labeled 'Prefix filter' and an 'Upload' button. A table header for 'Objects' includes columns for 'Object name', 'Size', and 'Last modified'. A small icon of a cube represents the objects. A note below says, 'Drag and drop files (objects) to upload. An object is your data in fixed form.' The bottom of the screen shows the Windows taskbar with various pinned icons.

11. Go to “Permissions” and change Role for this bucket to Object Reader under Public access:

The screenshot shows the IBM Cloud Object Storage interface. On the left, there's a sidebar with 'Cloud Object Storage' selected. The main area has tabs for 'Objects', 'Configuration', and 'Permissions', with 'Permissions' currently active. Under 'Bucket access policies', there's a section for 'Public access'. A warning message states: 'Warning: Granting Public access to this bucket will allow anyone to access the bucket. To revoke public access, remove the "Public access" policy from this bucket within Access groups.' Below this, it says 'Status: Disabled' and 'Role for this bucket: Content Reader'. A blue 'Create access policy' button is visible. The taskbar at the bottom shows various application icons and the date/time: 01-11-2023.

This screenshot is identical to the one above, except the 'Role for this bucket' dropdown has been changed from 'Content Reader' to 'Object Reader'. The rest of the interface and the taskbar at the bottom remain the same.

12. Click “Create access policy” and enable Public Access:



13. Go to “Configuration” and scroll down till “Static website hosting”. Click “Add” to enable serving of the static website directly from the bucket with public access

The screenshot shows the 'Cloud Object Storage - IBM Cloud' interface. In the left sidebar, 'Cloud Object Storage' is selected under 'Instances'. The main panel displays the 'Static website hosting' configuration. It includes sections for 'Set a redirect rule type (optional)', 'Index document', 'Error document (optional)', and 'Bucket website endpoint'. A 'Set routing rules' section is also present. At the bottom right of the main panel, there is a 'Key prefix' input field. The status bar at the bottom indicates '28°C Mostly cloudy' and the date '01-11-2023'.

14. Now, go back to Objects, and click on “Upload” to upload the project files (HTML files, CSS, JS files, pictures etc.) :

The screenshot shows the 'Cloud Object Storage - IBM Cloud' interface. In the left sidebar, 'Cloud Object Storage' is selected under 'Instances'. The main panel shows the 'travel-blog-naanmudhalvan' bucket. The 'Objects' tab is active. On the right side, there is a large 'Upload files (objects)' section with a 'Drag and drop files and folders or click to upload' area. Below it are 'Upload files' and 'Upload folders' buttons. At the bottom right of this section, there are 'Cancel' and 'Upload' buttons. The status bar at the bottom indicates '29°C Mostly cloudy' and the date '01-11-2023'.

15. Wait for the files to be uploaded:

The screenshot shows the IBM Cloud Object Storage interface. On the left, the sidebar has 'Cloud Object Storage' selected under 'Instances'. The main area shows a bucket named 'travel-blog-naanmudhalvan'. A 'Transfers' panel on the right shows an upload progress bar for 89 objects, with 35.2 MB of 54.3 MB uploaded (65%). A warning message states: 'Warning: All objects in this bucket have public view access.' Below the warning, there's a note: 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads'. The bottom status bar shows the date and time as 01-11-2023 19:17.

16. The files/objects once created will look like this:

The screenshot shows the IBM Cloud Object Storage interface with a different session name ('TripVista'). The main area displays a list of files in the 'travel-blog-naanmudhalvan' bucket. The files listed are:

Object name	Size	Last modified	Actions
assets/Abtract01.png	19.0 KB	2023-11-01 7:17 PM	⋮
assets/Bac..image-2.png	927.8 KB	2023-11-01 7:17 PM	⋮
assets/Ba..i-image.png	10.5 MB	2023-11-01 7:17 PM	⋮
assets/Bl../blog1.png	1.1 MB	2023-11-01 7:17 PM	⋮
assets/Bl../blog2.png	9.6 MB	2023-11-01 7:17 PM	⋮

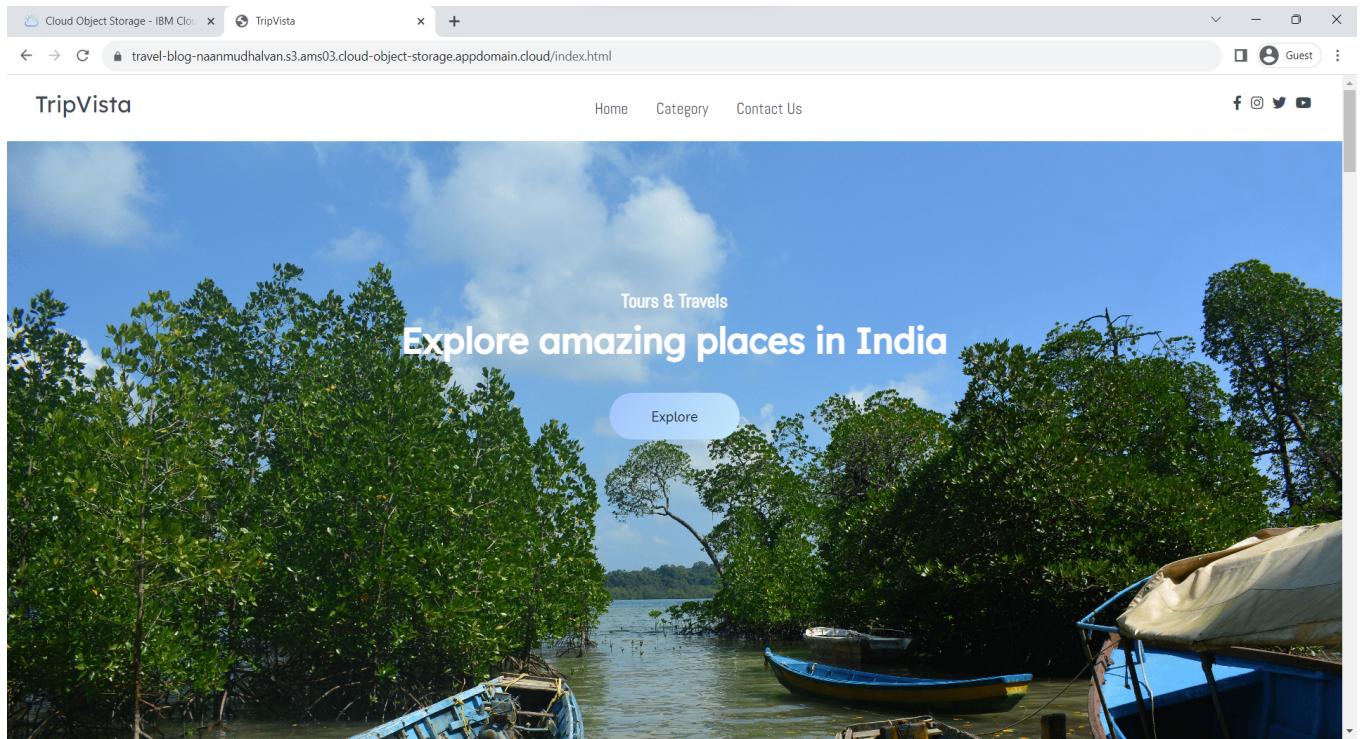
The bottom status bar shows the date and time as 01-11-2023 19:52.

17. Navigate to the “index.html” file and click to view the public URL:

The screenshot shows the IBM Cloud Object Storage interface. On the left, there's a sidebar with options like Instances, Integrations, Endpoints, Documentation, and Billing. The main area displays a list of files in a bucket. One file, 'index.html', is highlighted with a black box. Below the list, there's a message: 'Drag and drop files (objects) here or click to upload'. At the bottom, it says '61-70 of all items' and 'page 7'. The address bar at the top shows the full URL of the bucket.

18. Copy the Object Public URL and paste it the browser to view the hosted website:

The screenshot shows the details for the 'index.html' file. It includes sections for 'Overview' and 'Lifecycle'. Under 'Object details', it shows the last modified date (2023-11-01 7:44 PM), object size (25.3 KB), storage class (Smart Tier), and object public URL (https://travel-blog-naanmudhalvan.s3.amazonaws.com/index.html). There's also a 'Tags' section with '0 Tags'. Below this, there's a 'Access with Data Engine' section with a note about Data Engine instances and a link to 'visit our docs'. A 'Data Engine Instance' section shows 'No available instance'. At the bottom, there's a 'Open in Data Engine' button.



Github Link:

[Git Hub Link](#)

Live Link:

Here is the live link to view our application:

<https://travel-blog-naanmudhalvan.s3.amazonaws.cloud-object-storage.appdomain.cloud/index.html>