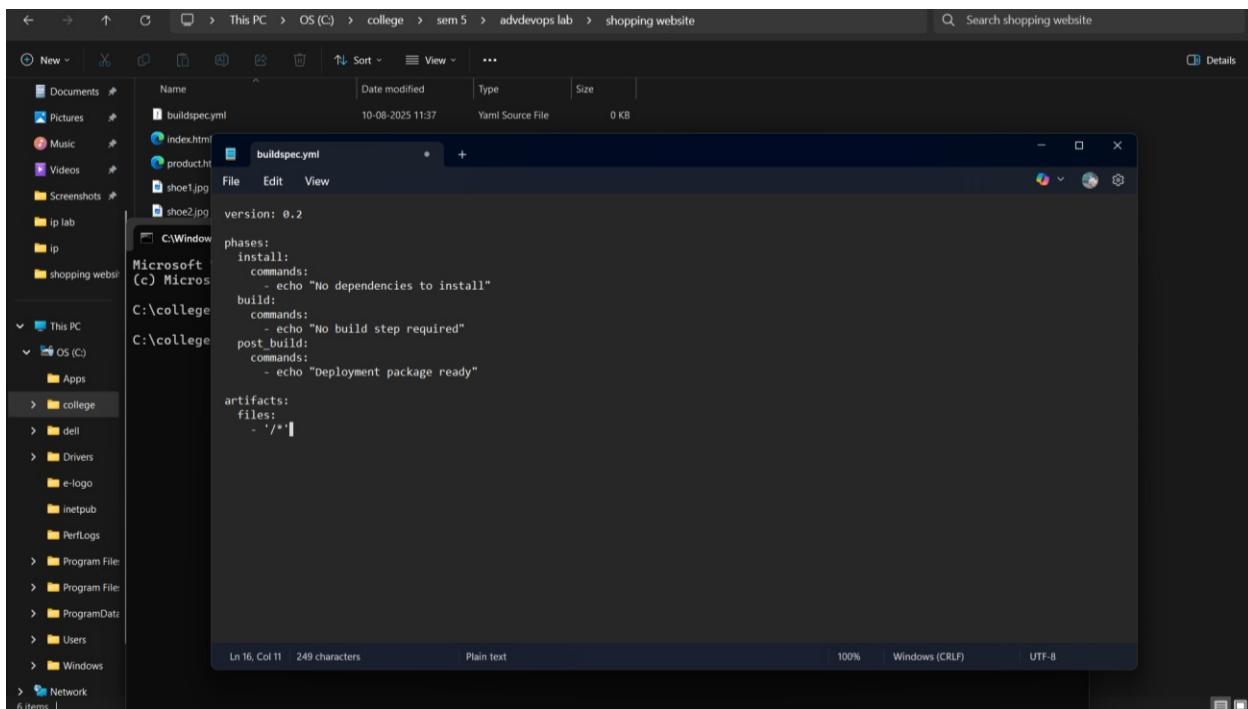
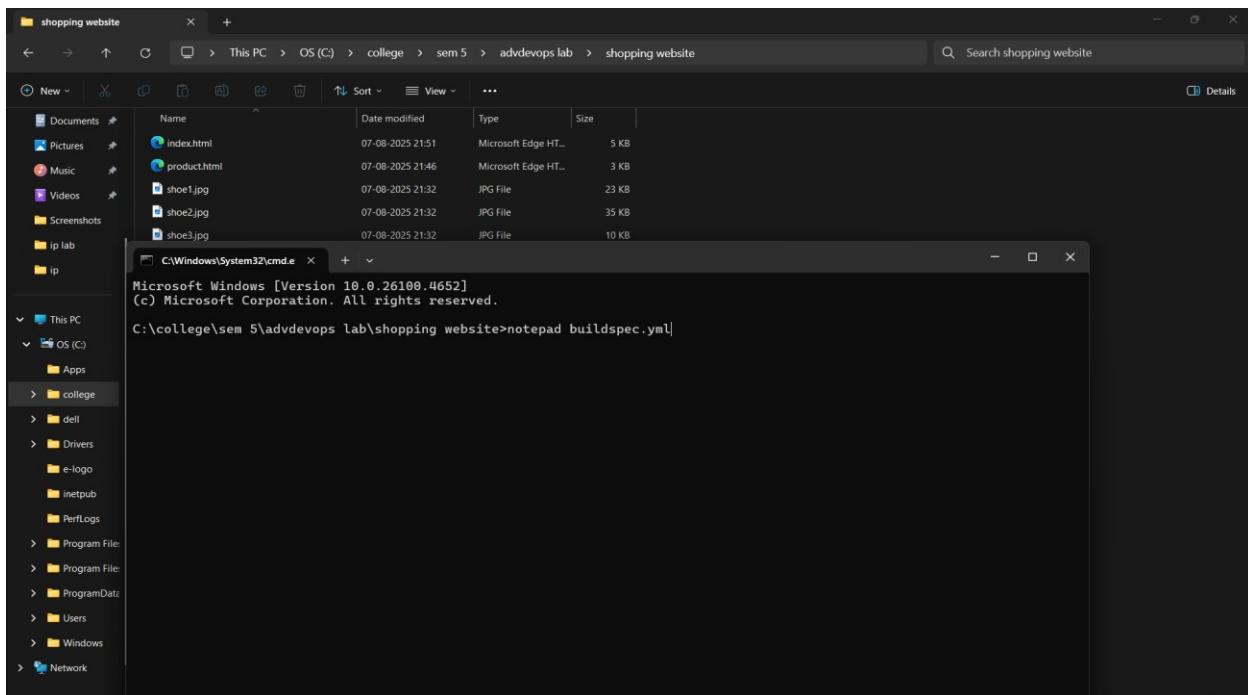


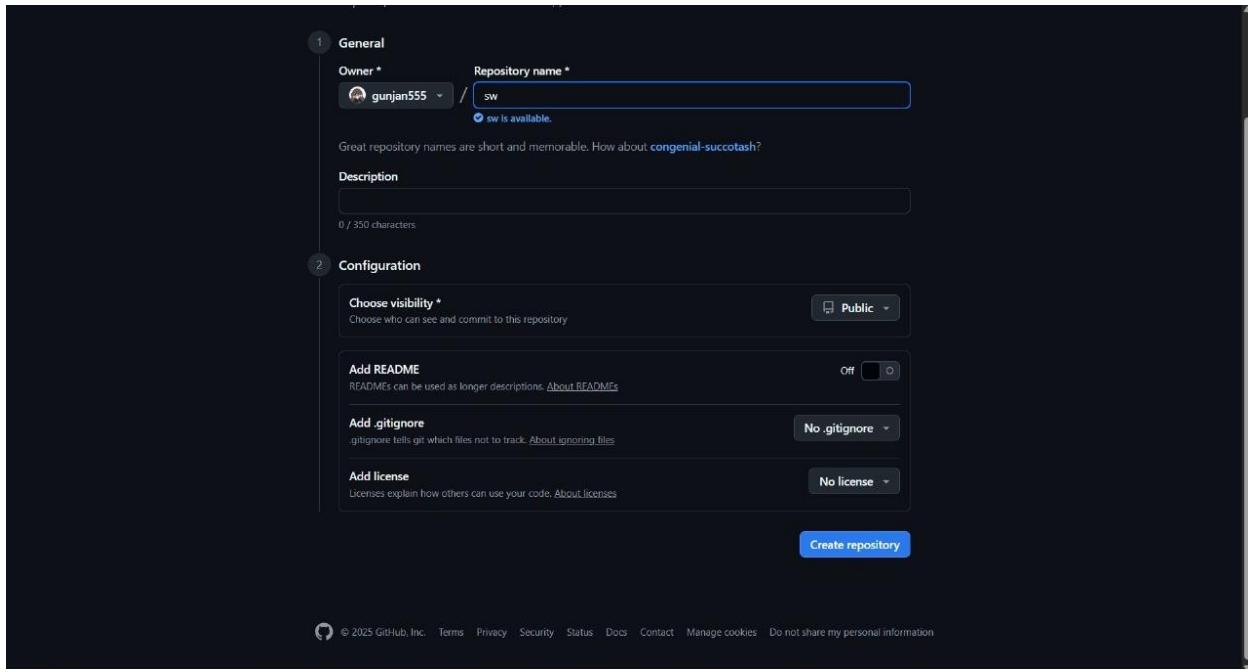
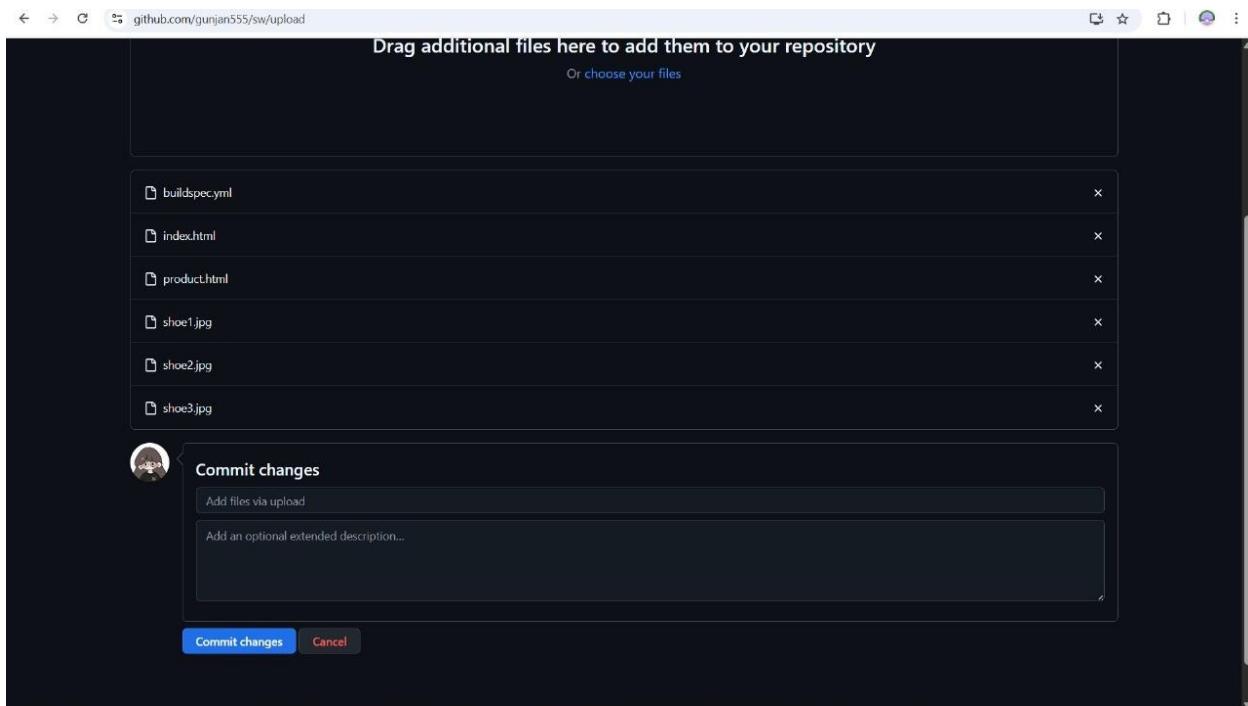
ASSIGNMENT 4

28

AIM : - To study and implement AWS CodePipeline for automating the build, test, and deployment process of a web application, ensuring continuous integration and continuous delivery (CI/CD) in a cloud environment.

THEORY : -





The screenshot shows the AWS Cloud Home page. On the left, there's a sidebar with links to Services, Features, Resources (New), Documentation, Knowledge articles, Marketplace, Blog posts, Events, and Tutorials. The main content area displays three services: S3 Scalable Storage in the Cloud, S3 Glacier Archive Storage in the Cloud, and AWS Snow Family Large Scale Data Transport. Below these are sections for Features (Imports from S3, Feature spotlight, S3 Access Grants) and Resources. A search bar at the top right says "Search s3". The top navigation bar includes tabs for "Console Home | Console Home", "plum face wash - Google Search", "gitbash - Google Search", "gunjan555/shopping-website", and "eu-north-1.console.aws.amazon.com/console/home?nc2=h_si®ion=eu-north-1&src=header-signin#". The top right corner shows "Account ID: 4568-1041-2825" and "Europe (Stockholm)". The bottom status bar shows "CloudShell Feedback", the date "10-08-2025", and the time "12:01".

The screenshot shows the "Create bucket" wizard. In the "General configuration" step, the user has selected the "General purpose" bucket type. They have entered "shoppingwebsite" as the bucket name. There's a note about copy settings from existing buckets and a "Choose bucket" button. In the "Object Ownership" step, the user has selected "ACLs disabled (recommended)". Both "ACLs disabled" and "ACLs enabled" options are described. The bottom status bar shows "CloudShell Feedback", the date "10-08-2025", and the time "12:01".

ASSIGNMENT 4

The screenshot shows the 'Create bucket' step in the AWS S3 console. Under 'Object Ownership', it's set to 'Bucket owner enforced'. The 'Block Public Access settings for this bucket' section contains several options:

- Block all public access**: Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
- Block public access to buckets and objects granted through new access control lists (ACLs)**: S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- Block public access to buckets and objects granted through any access control lists (ACLs)**: S3 will ignore all ACLs that grant public access to buckets and objects.
- Block public access to buckets and objects granted through new public bucket or access point policies**: S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- Block public and cross-account access to buckets and objects through any public bucket or access point policies**: S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

A warning message states: **⚠️ Turning off block all public access might result in this bucket and the objects within becoming public**. It advises turning on block all public access unless public access is required for specific and verified use cases such as static website hosting. A checkbox for acknowledging this risk is present.

At the bottom, there's a 'Bucket Versioning' section with a note about keeping multiple variants of an object in the same bucket. The 'Bucket Versioning' button is highlighted.

The screenshot continues the 'Create bucket' wizard. After acknowledging the public access risk, the 'Bucket Versioning' section is shown, which is currently disabled. The 'Tags - optional (0)' section indicates no tags are associated with the bucket and provides a link to learn more about tags.

The 'Default encryption' section notes that server-side encryption is automatically applied to new objects. It includes an 'Encryption type' dropdown with three options:

- Server-side encryption with Amazon S3 managed keys (SSE-S3)
- Server-side encryption with AWS Key Management Service keys (SSE-KMS)
- Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

A note at the bottom of this section says: "Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#)."

The browser status bar at the bottom shows the date as 10-08-2025 and the time as 12:10.

ASSIGNMENT 4

The screenshot shows the 'Create bucket' page in the AWS S3 console. At the top, there are tabs for 'Encryption type' (with 'Info' link) and 'Bucket Key'. Under 'Encryption type', three options are listed: 'Server-side encryption with Amazon S3 managed keys (SSE-S3)' (selected), 'Server-side encryption with AWS Key Management Service keys (SSE-KMS)', and 'Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)'. A note below says 'Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)'.

Under 'Bucket Key', there are two options: 'Disable' (selected) and 'Enable'. Below this, the 'Advanced settings' section is expanded, showing 'Object Lock' (selected 'Disable') and 'Bucket Key' (selected 'Disable'). A note says 'Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Versioning.' Another note says 'After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.'

At the bottom right, there are 'Cancel' and 'Create bucket' buttons. The status bar at the bottom shows 'CloudShell Feedback' and various system icons.

The screenshot shows the 'Create bucket' page in the AWS S3 console. At the top, there are tabs for 'General configuration' (selected), 'AWS Region' (set to 'Asia Pacific (Mumbai) ap-south-1'), and 'Bucket type' (selected 'Info'). Under 'Bucket type', two options are shown: 'General purpose' (selected) and 'Directory'. A note says '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.' and 'Directory' (selected) which says '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.'

Under 'General configuration', there is a 'Bucket name' field containing 'shoppingwebsitegunjan123'. A note says 'Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)'.

Below this, there is a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button and a note about copying settings.

At the bottom, the 'Object Ownership' section is expanded, showing 'ACLs disabled (recommended)' (selected) and 'ACLs enabled'. A note says 'All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.' and 'ACLs enabled' which says 'Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.'

At the bottom right, there are 'CloudShell' and 'Feedback' buttons. The status bar at the bottom shows 'CloudShell Feedback' and various system icons.

ASSIGNMENT 4

The screenshot shows the AWS S3 console interface. At the top, there are several browser tabs: "S3 buckets | S3 | ap-south-1", "plum face wash - Google Search", "gitbash - Google Search", and "gunjan555/shopping-website". The main content area is titled "Amazon S3 > Buckets". A green banner at the top states "Successfully created bucket 'shoppingwebsit gunjan123'". Below this, there are two tabs: "General purpose buckets" (selected) and "Directory buckets". The "General purpose buckets" tab shows a list of five buckets:

Name	AWS Region	Creation date
gunjan0503myaws123	Asia Pacific (Mumbai) ap-south-1	July 29, 2025, 19:43:37 (UTC+05:30)
guniiiiii789bucket1	Asia Pacific (Mumbai) ap-south-1	August 2, 2025, 19:25:57 (UTC+05:30)
gunjuuu0503bucket12345	Asia Pacific (Mumbai) ap-south-1	July 31, 2025, 11:30:41 (UTC+05:30)
hellohibyebyeeeeebucket1	Asia Pacific (Mumbai) ap-south-1	August 2, 2025, 19:45:40 (UTC+05:30)
shoppingwebsit gunjan123	Asia Pacific (Mumbai) ap-south-1	August 10, 2025, 12:12:13 (UTC+05:30)

On the right side, there are two boxes: "Account snapshot" and "External access summary - new". The "Account snapshot" box provides storage usage and activity trends. The "External access summary" box helps identify bucket permissions for public access or access from other AWS accounts.

At the bottom, the status bar shows "CloudShell Feedback", the date "10-08-2025", and the time "12:12".

The screenshot shows the AWS S3 console interface, similar to the previous one but focusing on a specific bucket. The URL is "ap-south-1.console.aws.amazon.com/s3/buckets/shoppingwebsit gunjan123?region=ap-south-1&bucketType=general&t ab=objects". The main content area is titled "Amazon S3 > shoppingwebsit gunjan123". The "Objects" tab is selected. The "Objects (0)" section shows a message: "Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)". Below this, there is a search bar and a table header with columns: Name, Type, Last modified, Size, and Storage class. The table body displays the message "No objects" and "You don't have any objects in this bucket." There is also a blue "Upload" button.

At the bottom, the status bar shows "CloudShell Feedback", the date "10-08-2025", and the time "12:13".

ASSIGNMENT 4

The screenshot shows the AWS S3 console interface for uploading objects to a bucket named 'gunjan555/sw'. The 'Upload' tab is selected. In the 'Files and folders' section, six files and one folder ('buildspec.yml') are listed with their names, types, and sizes. The 'Destination' section shows the target bucket as 's3://shoppingwebsitegunjan123'. The status bar at the bottom indicates the upload is in progress.

Files and folders (6 total, 74.5 KB)

Name	Folder	Type	Size
buildspec.yml	sw/	-	264.0 B
index.html	sw/	text/html	5.0 KB
product.html	sw/	text/html	2.7 KB
shoe1.jpg	sw/	image/jpeg	22.5 KB
shoe2.jpg	sw/	image/jpeg	34.3 KB
shoe3.jpg	sw/	image/jpeg	9.8 KB

Destination

s3://shoppingwebsitegunjan123

The screenshot shows the AWS S3 console after the upload has completed successfully. A green notification bar at the top states 'Upload succeeded'. The 'Summary' section shows a breakdown: 6 files uploaded, 74.5 KB total, and 100.00% success rate. The 'Failed' section shows 0 files. The 'Files and folders' section displays the same list of files as before, now all marked as 'Succeeded' in the status column. The status bar at the bottom indicates the upload was completed at 12:35 on 10-08-2025.

Upload succeeded

Summary

Destination	Succeeded	Failed
s3://shoppingwebsitegunjan123	6 files, 74.5 KB (100.00%)	0 files, 0 B (0%)

Files and folders (6 total, 74.5 KB)

Name	Folder	Type	Size	Status	Error
buildspec.yml	sw/	-	264.0 B	Successed	-
index.html	sw/	text/html	5.0 KB	Successed	-
product.html	sw/	text/html	2.7 KB	Successed	-
shoe1.jpg	sw/	image/jpeg	22.5 KB	Successed	-
shoe2.jpg	sw/	image/jpeg	34.3 KB	Successed	-
shoe3.jpg	sw/	image/jpeg	9.8 KB	Successed	-

ASSIGNMENT 4

The screenshot shows the AWS S3 Bucket Properties page for 'shoppingwebsitegunjan123'. The top navigation bar includes tabs for Objects, Properties (which is selected), Permissions, Metrics, Management, and Access Points. The main content area is titled 'Bucket overview' and displays the following details:

- AWS Region:** Asia Pacific (Mumbai) ap-south-1
- Amazon Resource Name (ARN):** arn:aws:s3:::shoppingwebsitegunjan123
- Creation date:** August 10, 2025, 12:12:13 (UTC+05:30)

Below this, there are sections for 'Bucket Versioning' (Enabled), 'Multi-factor authentication (MFA) delete' (Disabled), and 'Tags (0)' (No tags associated with this resource). The bottom of the page includes standard AWS navigation links like CloudShell, Feedback, and a status bar showing the date and time.

The screenshot shows the AWS S3 Bucket Logging Configuration page for 'shoppingwebsitegunjan123'. The top navigation bar includes tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. The main content area is titled 'Server access logging' and displays the following configuration:

- Server access logging:** Enabled (radio button selected)
- Bucket policy will be updated:** A note stating "When you enable server access logging, the S3 console automatically updates your bucket policy to include access to the S3 log delivery group."
- Destination:** s3://bucket-name/prefix
- Format:** s3://<bucket>/<optional-prefix-with-path>
- Destination Region:** -
- Destination bucket name:** -
- Destination prefix:** -
- Log object key format:** [DestinationPrefix][YYYY]-[MM]-[DD]-[hh]-[mm]-[ss]-[UniqueString] (radio button selected)
- Log object key example:** To speed up analytics and query applications, use this format.

The bottom of the page includes standard AWS navigation links like CloudShell, Feedback, and a status bar showing the date and time.

ASSIGNMENT 4

The screenshot shows the AWS S3 console with the path: Amazon S3 > Buckets > shoppingwebsitegunjan123 > Edit server access logging. A modal window titled 'Choose destination' is open, showing a list of 'S3 Buckets'. The list includes:

Name	AWS Region	Creation date
gunjan0503myaws123	Asia Pacific (Mumbai) ap-south-1	July 29, 2025, 19:43:37 (UTC+05:30)
gunjiiii789bucket1	Asia Pacific (Mumbai) ap-south-1	August 2, 2025, 19:25:57 (UTC+05:30)
gunjuuu0503bucket12345	Asia Pacific (Mumbai) ap-south-1	July 31, 2025, 11:30:41 (UTC+05:30)
hellohibebyeeeeebucket1	Asia Pacific (Mumbai) ap-south-1	August 2, 2025, 19:45:40 (UTC+05:30)
shoppingwebsitegunjan123	Asia Pacific (Mumbai) ap-south-1	August 10, 2025, 12:12:13 (UTC+05:30)

At the bottom right of the modal are 'Cancel', 'Choose destination', and 'Save changes' buttons.

The screenshot shows the AWS S3 console with the path: Amazon S3 > Buckets > shoppingwebsitegunjan123. A green success message at the top states: 'Successfully edited server access logging.' Below it, the 'Server access logging' section shows:

- Log requests for access to your bucket. Use CloudWatch to check the health of your server access logging. [Learn more](#)
- Server access logging: Enabled
- Destination bucket: `s3://shoppingwebsitegunjan123`
- Log object key format: `[YYYY]-[MM]-[DD]-[hh]-[mm]-[ss]-[UniqueString]`

The 'AWS CloudTrail data events' section shows 0 events with a 'Configure in CloudTrail' button. The 'Event notifications' section shows 0 notifications with a 'Create event notification' button.

At the bottom right of the page are 'Edit', 'Delete', and 'Create event notification' buttons.

ASSIGNMENT 4

The screenshot shows the AWS S3 console interface. The top navigation bar includes tabs for 'Create app', 'Manual Deployment', 'Update S3 policy', and 'gunjan555/sw'. The main title is 'Amazon S3 > Buckets > shoppingwebsitegunjan123'. Below the title, there's a sub-header 'shoppingwebsitegunjan123 info'. A navigation bar at the top of the page has tabs for 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected. The main content area displays 'Objects (1)'. A search bar and a 'Show versions' button are present. The table lists one object: 'sw/' (Folder). The table columns are 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. The 'Actions' menu for this object includes options like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. The bottom of the page shows a footer with links for 'CloudShell', 'Feedback', and various AWS services.

The screenshot shows a Windows File Explorer window titled 'advdevops lab'. The path is 'This PC > OS (C) > college > sem 5 > advdevops lab'. The main pane displays a folder named 'advdevops lab' containing files and subfolders: 'Documents', 'Pictures', 'Music', 'Videos', 'Screenshots', 'ip lab', 'ip', and 'shopping websi'. The 'ip lab' folder is expanded, showing subfolders 'college', 'dell', 'Drivers', 'e-logo', 'inetpub', 'PerfLogs', 'Program File', 'Program File', 'ProgramData', 'Users', and 'Windows'. The 'ip' folder is also expanded. The 'shopping websi' folder is expanded, showing subfolders 'shopping website' and 'sw'. The 'sw' folder contains a file 'sw.zip'. The status bar at the bottom shows '3 items | Rainy days ahead 27°C' and the date '10-08-2025'.

ASSIGNMENT 4

The screenshot shows the AWS S3 console interface for uploading objects. The top navigation bar includes tabs for 'Upload objects - S3 bucket sh...', 'Update S3 policy', and 'gunjan555/sw'. The main title is 'Upload' with a 'Info' link. A note states: 'Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. Learn more'.

The central area has a placeholder: 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.' Below this is a table titled 'Files and folders (1 total, 69.5 KB)' showing one item: 'sw.zip' (application/x-zip-compressed, 69.5 KB). There are buttons for 'Remove', 'Add files', and 'Add folder'.

The 'Destination' section shows the destination as 's3://shoppingwebsitegunjan123/sw/'. The 'Destination details' section notes: 'Bucket settings that impact new objects stored in the specified destination.'

On the left, there are sections for 'Permissions' (Grant public access and access to other AWS accounts) and 'Properties' (Specify storage class, encryption settings, tags, and more). At the bottom, there are links for 'CloudShell' and 'Feedback'.

The status bar at the bottom right shows: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences. ENG IN 12:58 10-08-2025.

The screenshot shows the AWS S3 console after the upload has completed. The top navigation bar and tabs are identical to the previous screenshot.

A prominent green success message box displays: 'Upload succeeded' and 'For more information, see the Files and folders table.' Below this is a summary table:

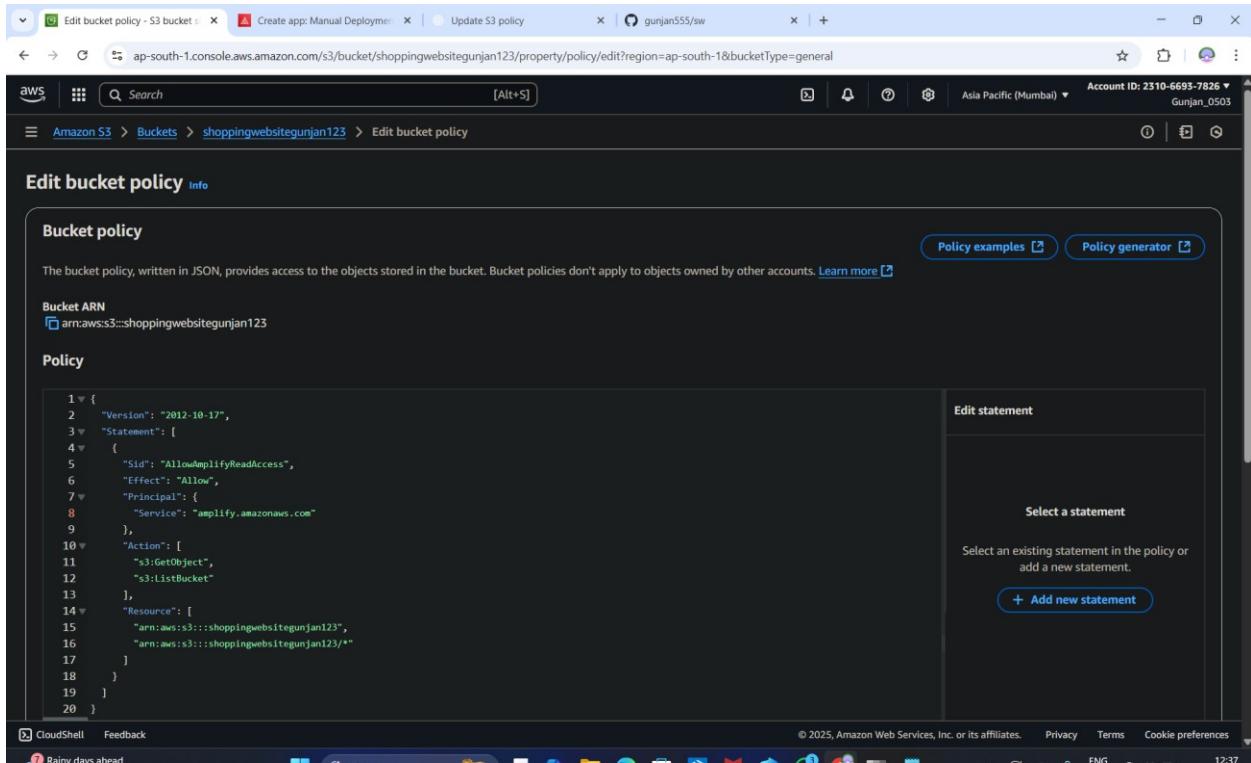
Destination	Succeeded	Failed
s3://shoppingwebsitegunjan123/sw/	1 file, 69.5 KB (100.00%)	0 files, 0 B (0%)

The 'Upload: status' section contains a note: 'After you navigate away from this page, the following information is no longer available.' Below this is a 'Summary' section with the same success message.

The 'Files and folders' section shows the uploaded file 'sw.zip' with its details: Name (sw.zip), Folder (-), Type (application/x-zip-compressed), Size (69.5 KB), Status (Succeeded), and Error (-).

The status bar at the bottom right shows: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences. ENG IN 12:59 10-08-2025.

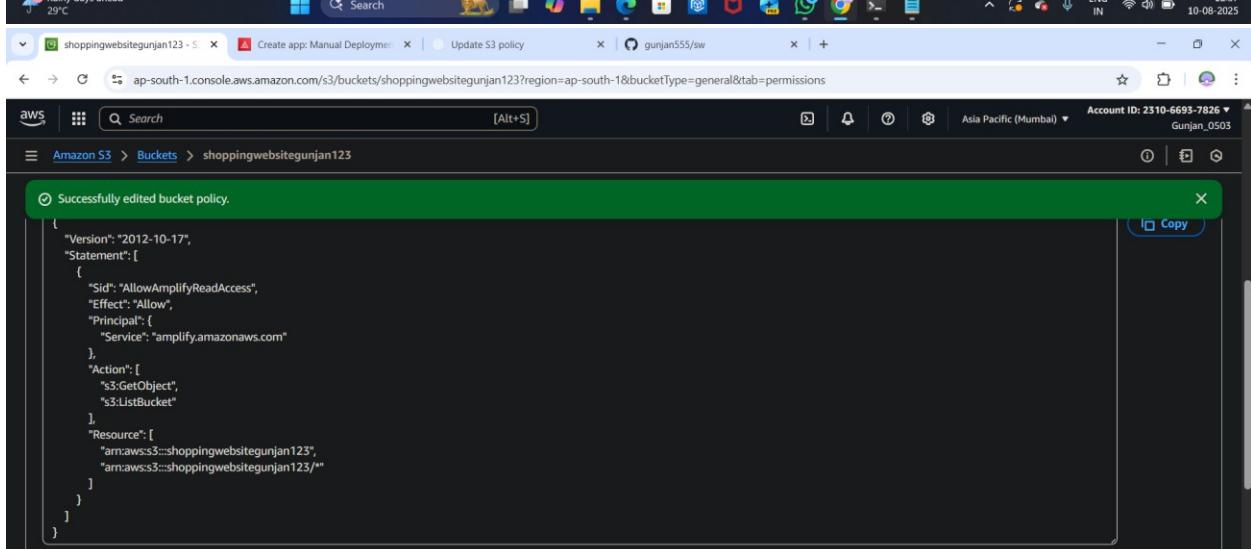
ASSIGNMENT 4



The screenshot shows the AWS S3 Bucket Policy editor. The policy document is displayed in a code editor:

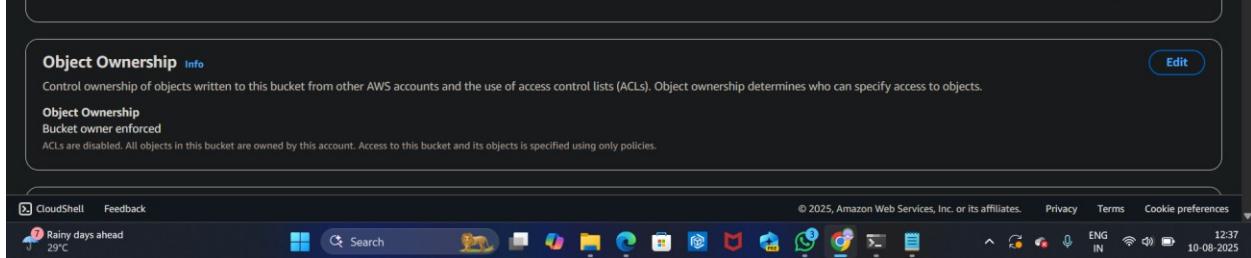
```
1 = {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Sid": "AllowAmplifyReadAccess",  
6       "Effect": "Allow",  
7       "Principal": {  
8         "Service": "amplify.amazonaws.com"  
9       },  
10      "Action": [  
11        "s3:GetObject",  
12        "s3>ListBucket"  
13      ],  
14      "Resource": [  
15        "arn:aws:s3:::shoppingwebsitegunjan123",  
16        "arn:aws:s3:::shoppingwebsitegunjan123/*"  
17      ]  
18    }  
19  ]  
20 }
```

A modal window titled "Edit statement" is open on the right side, containing the text "Select a statement" and a button "+ Add new statement".



The screenshot shows the AWS S3 Bucket Permissions page. A green success message box displays the text "Successfully edited bucket policy." with a "Copy" button. The underlying JSON policy is visible below:

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Sid": "AllowAmplifyReadAccess",  
      "Effect": "Allow",  
      "Principal": {  
        "Service": "amplify.amazonaws.com"  
      },  
      "Action": [  
        "s3:GetObject",  
        "s3>ListBucket"  
      ],  
      "Resource": [  
        "arn:aws:s3:::shoppingwebsitegunjan123",  
        "arn:aws:s3:::shoppingwebsitegunjan123/*"  
      ]  
    }  
  ]  
}
```



The screenshot shows the AWS S3 Object Ownership page. It states: "Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects." Below this, it says "Object Ownership" and "Bucket owner enforced". A note at the bottom says "ACLs are disabled. All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies." A "Edit" button is located in the top right corner.

ASSIGNMENT 4

The screenshot shows the AWS S3 console with the URL ap-south-1.console.aws.amazon.com/s3/buckets/shoppingwebsitegunjan123?region=ap-south-1&bucketType=general&tab=properties. The page displays various bucket settings:

- Object Lock**: Disabled
- Requester pays**: When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. (Disabled)
- Static website hosting**: Use this bucket to host a website or redirect requests. (Enabled)
- S3 static website hosting**: Enabled
- Hosting type**: Bucket hosting
- Bucket website endpoint**: <http://shoppingwebsitegunjan123.s3-website.ap-south-1.amazonaws.com>

At the bottom, the status bar shows the URL, account information (Account ID: 2310-6693-7826, Region: Asia Pacific (Mumbai)), and system status (ENG IN, 10-08-2025).

The screenshot shows the AWS Amplify console with the URL ap-south-1.console.aws.amazon.com/amplify/create/add-repo. The page is titled "Create new app" and shows the following steps:

- Choose source code provider
- Add repository and branch
- App settings
- Review

Start building with Amplify: Amplify provides a fully-managed web hosting experience and a backend building service to build fullstack apps. If you need a starter project, please visit the [docs](#).

Deploy your app: GitHub, BitBucket, CodeCommit, GitLab

To deploy an app from a Git provider, select one of the options below:

Amplify requires read-only access to your repository.

To manually deploy an app from Amazon S3 or a Zip file, select "Deploy without Git"

Deploy without Git

Start with a template: CloudFront, Lambda@Edge, API Gateway, AppSync, Amplify

Buttons at the bottom: Cancel, Previous, Next

At the bottom, the status bar shows the URL, account information (Account ID: 2310-6693-7826, Region: Asia Pacific (Mumbai)), and system status (ENG IN, 10-08-2025).

ASSIGNMENT 4

The screenshot shows the AWS Amplify console interface. At the top, there are several tabs: 'shoppingwebsitegunjan123 - S', 'Create app: Start a manual dep...', 'Create app: Manual Deploy...', 'Update S3 policy', and 'gunjan555/sw'. The main title is 'All apps > Create new app'. A vertical navigation bar on the left lists steps: 1. Choose source code provider (selected), 2. Add repository and branch, 3. App settings, 4. Review. The current step is 'Start a manual deployment'. It instructs users to manually upload objects to deploy their app. Fields include 'App name' (app3976) and 'Branch name' (staging). Under 'Method', options are 'Drag and drop' (selected), 'Amazon S3', and 'Any URL'. A note says: 'Zip the contents of your build output, not the top level folder' with a link to 'Read more'. Below this is the 'S3 location of objects to host' field containing 's3://shoppingwebsitegunjan123/sw/'. At the bottom right are 'Cancel', 'Previous', and 'Save and deploy' buttons.

The screenshot shows the 'App Overview | Amplify | ap-south-1' page for the app 'app3976'. The top navigation bar includes tabs for 'CloudShell', 'Feedback', and weather information ('Rainy days ahead 29°C'). The main title is 'All apps > app3976: Overview'. On the left, a sidebar has sections for 'Overview', 'Hosting' (selected), 'Monitoring', and 'App settings'. The 'Get to production' section shows three steps: 1. 'Add a custom domain' (button: 'Add custom domain'), 2. 'Enable firewall protections' (button: 'Enable firewall'), and 3. 'Connect new branches' (button: 'Connect a new branch'). Below this is a 'Branches' section with one entry: 'staging' (Deployed). It shows the domain 'https://staging.d3qmu388jz5gcy.amplifyapp.com' and the last deployment time as '0 minutes ago'. Buttons for 'Deploy updates' and 'Production branch' are at the bottom. The bottom of the screen shows a Windows taskbar with various icons and the date/time '10-08-2025 12:38'.

ASSIGNMENT 4

The image shows two screenshots side-by-side. The left screenshot is a web browser displaying the Zerra shoe website at staging.d3qmu388jz5gcy.amplifyapp.com. The page has a dark header with 'Zerra' and navigation links 'Home' and 'Shop'. The main content features a blue banner with the text 'Step into Style with Zerra' and 'Premium Footwear. Unmatched Comfort. Designed for You.' Below this is a 'Explore Collection' button. The 'Featured Shoes' section displays three pairs of shoes: 'Zerra Runner' (blue), 'Zerra Classy' (yellow and blue), and 'Zerra Genz' (yellow). The right screenshot is also a web browser showing the AWS S3 console at ap-south-1.console.aws.amazon.com/s3/buckets/shoppingwebsitegunjan123?region=ap-south-1&bucketType=general&tab=properties. It shows the 'Properties' tab for the 'shoppingwebsitegunjan123' bucket. The sidebar includes sections for 'Objects', 'Bucket', 'Multi-factor', and 'Tags'. The main area lists 'Services' like VPC, AWS Firewall Manager, and Detective, and 'Features' like Dashboard, Route 53 VPCs, and VPC Reachability Analyzer. A search bar at the top right contains 'vpd'.

ASSIGNMENT 4

The screenshot shows the AWS VPC Dashboard for the Asia Pacific (Mumbai) region. The left sidebar includes sections for Virtual private cloud, Security, PrivateLink and Lattice, and CloudShell. The main area displays a grid of resource counts for various services across the Mumbai region:

Service	Mumbai
VPCs	1
NAT Gateways	0
Subnets	3
VPC Peering Connections	0
Route Tables	0
Network ACLs	0
Internet Gateways	0
Security Groups	1
Egress-only Internet Gateways	0
Customer Gateways	0
DHCP option sets	1
Virtual Private Gateways	0

On the right, there are sections for Service Health, Settings, Additional Information, and AWS Network Manager.

The screenshot shows the 'Your VPCs' page with one entry listed:

Name	VPC ID	State	Block Public...	IPv4 CIDR	IPv6 CIDR
-	vpc-022ca6da3ad46d308	Available	Off	172.31.0.0/16	-

The left sidebar is identical to the first screenshot, showing the VPC dashboard and other management options.

ASSIGNMENT 4

The screenshot shows the AWS VPC console interface. On the left, there's a navigation sidebar with sections for VPC dashboard, Virtual private cloud (Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateways, Peering connections), Security (Network ACLs, Security groups), PrivateLink and Lattice (Getting started, Endpoints, Endpoint services, Service networks), and CloudShell/Feedback. The main area displays 'Your VPCs (1/1) Info' with a table showing one VPC entry:

Name	VPC ID	State	Block Public Access	IPv4 CIDR	IPv6 CIDR
vpc-022ca6da3ad46d308	vpc-022ca6da3ad46d308	Available	Off	172.31.0.0/16	-

Below this, there's a detailed view for the selected VPC (vpc-022ca6da3ad46d308) with tabs for Details, Resource map, CIDs, Flow logs, Tags, and Integrations. The Details tab shows the following configuration:

VPC ID	State	Block Public Access	DNS hostnames
vpc-022ca6da3ad46d308	Available	Off	Enabled
DNS resolution	Tenancy	DHCP option set	Main route table
Enabled	default	dopt-0c2e418770b1221b1	rtb-039b69022952fbce
Main network ACL	Default VPC	IPv4 CIDR	IPv6 pool
-	-	172.31.0.0/16	-

The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating 'Very humid Now'.

The screenshot shows the AWS CodePipeline console. On the left, there's a navigation sidebar with sections for VPC dashboard, Virtual private cloud (Your VPCs, Subnets, Route tables, Internet gateways, Egress-only internet gateways, DHCP option sets, Elastic IPs, Managed prefix lists, NAT gateway, Peering connections), Security (Network ACLs, Security groups), and PrivateLink (Getting started, Endpoints, Endpoint services, Service networks). The main area displays the 'Services' section, which includes a card for 'CodePipeline' (Release Software using Continuous Delivery) and a resource search bar. Below this, there are sections for Documentation (CodePipeline tutorials, Troubleshooting CodePipeline, AWS CodePipeline), Knowledge articles (How can I fix AWS CodePipeline when it runs twice?), and a feedback section (Were these results helpful? Yes/No).

ASSIGNMENT 4

The screenshot shows the 'Advanced settings' configuration page for a new pipeline. It includes sections for 'Artifact store' (with 'Default location' selected), 'Encryption key' (with 'Default AWS Managed Key' selected), and 'Variables' (indicating no variables defined). Buttons for 'Cancel', 'Previous', and 'Next' are at the bottom.

The screenshot shows the 'Choose pipeline settings' step in the pipeline creation wizard. The pipeline name is set to 'gunjanwebsite'. The execution mode is 'Queued'. A new service role is selected, named 'AWSCodePipelineServiceRole-ap-south-1-gunjanwebsite'. The 'Allow AWS CodePipeline to create a service role so it can be used with this new pipeline' checkbox is checked. The left sidebar lists steps from 'Step 1' to 'Step 7'.

ASSIGNMENT 4

The screenshot shows the AWS CodePipeline 'Create new pipeline' wizard at Step 3 of 7. The left sidebar lists steps from Step 1 to Step 7. The main panel is titled 'Add source stage' with a 'Source provider' dropdown set to 'Amazon S3'. Under 'Bucket', the value 'shoppingwebsitewebunjan123' is entered, and under 'S3 object key', 'sw/sw.zip' is specified. There are two checked checkboxes: 'Create EventBridge rule to automatically detect source changes' and 'Enable automatic retry on stage failure'. At the bottom are 'Cancel', 'Previous', and 'Next' buttons.

The screenshot shows the AWS CodePipeline 'Create new pipeline' wizard at Step 5 of 7. The left sidebar lists steps from Step 1 to Step 7. The main panel is titled 'Add test stage' with a 'Test provider' dropdown. A single checkbox 'Enable automatic retry on stage failure' is checked. At the bottom are 'Cancel', 'Previous', 'Skip test stage', and 'Next' buttons.

ASSIGNMENT 4

The screenshot shows the AWS CodePipeline console with the URL ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1. The page is titled "Create new pipeline | CodePipe..." and shows the "Deploy" step configuration. On the left, a sidebar lists steps from Step 3 to Step 7, with "Add deploy stage" currently selected. The main area is titled "Deploy" and contains the following fields:

- Deploy provider:** Set to "Amazon S3".
- Region:** Set to "Asia Pacific (Mumbai)".
- Input artifacts:** A dropdown menu is open, showing "SourceArtifact X" (Defined by: Source) and "No more than 100 characters".
- Bucket:** A search bar containing "shoppingwebsitegunjan123".
- S3 object key:** A text input field containing "sw/sw.zip". A tooltip below it says: "Enter the object key. You can include a file path without the delimiter character (/) at the beginning. Include the file extension. Example: SampleApp.zip".
- Extract file before deploy:** An unchecked checkbox with the note: "The deployed artifact will be unzipped before deployment."

The bottom of the screen shows the Windows taskbar with various pinned icons and the date/time "10-08-2025".

The screenshot shows the AWS CodePipeline console with the URL ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1. The page is titled "Create new pipeline | CodePipe..." and shows the "Review" step configuration. On the left, a sidebar lists steps from Step 1 to Step 7, with "Review" currently selected. The main area is titled "Review" and contains the following information:

- Step 1: Choose creation option**
- Step 2: Choose pipeline settings**
 - Pipeline name:** gunjanwebsite
 - Pipeline type:** V2
 - Execution mode:** QUEUED
 - Artifact location:** A new Amazon S3 bucket will be created as the default artifact store for your pipeline.
 - Service role name:** AWSCodePipelineServiceRole-ap-south-1-gunjanwebsite
- Step 3: Add source stage**

The bottom of the screen shows the Windows taskbar with various pinned icons and the date/time "10-08-2025".

ASSIGNMENT 4

Create new pipeline | CodePipe... Update S3 policy gunjan555/sw +

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipeline/new?region=ap-south-1

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 2310-6693-7826 Gunjan_0503

sw/sw.zip

Enable automatic retry on stage failure
Enabled

Step 6: Add deploy stage

Deploy action provider

Deploy action provider
Amazon S3

Extract
false

BucketName
shoppingwebsitegunjan123

ObjectKey
sw/sw.zip

Configure automatic rollback on stage failure
Enabled

Enable automatic retry on stage failure
Disabled

Cancel Previous Create pipeline

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ASSIGNMENT 4

gunjanwebsite | CodePipeline | Update S3 policy | gunjan555/sw | +

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/gunjanwebsite/view?region=ap-south-1

aws Search [Alt+S] Account ID: 2310-6693-7826 ▾ Asia Pacific (Mumbai) ▾ Gunjan_0503

Introducing the new pipeline experience
We've redesigned the pipeline view to streamline the monitoring and debugging experience. Let us know what you think. Or go back to the old experience.

Success
Congratulations! The pipeline gunjanwebsite has been created.

Developer Tools > CodePipeline > Pipelines > gunjanwebsite

gunjanwebsite Edit Stop execution Create trigger Clone pipeline Release change

Pipeline Executions Triggers Settings Tags Stage

Source Deploy

Source Deploy

Source Amazon S3

Deploy Amazon S3

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Very humid Now ENG IN 13:04 10-08-2025

gunjanwebsite | CodePipeline | Update S3 policy | gunjan555/sw | +

ap-south-1.console.aws.amazon.com/codesuite/codepipeline/pipelines/gunjanwebsite/view?region=ap-south-1

aws Search [Alt+S] Account ID: 2310-6693-7826 ▾ Asia Pacific (Mumbai) ▾ Gunjan_0503

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Pipeline Executions Triggers Settings Tags Stage

Source Deploy

All actions succeeded.

Source Amazon S3 Just now

Deploy Amazon S3 Just now

Source: Amazon S3 ***

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