

## Prerequisites

- An **AWS account**
  - Your **portfolio files** (e.g. index.html, style.css, images, JS)
  - Internet access
- 

## Step 1: Prepare Your Portfolio

Make sure your website has:

- index.html (this is mandatory)
- Optional: error.html

Example structure:

portfolio/

```
  ├── index.html  
  ├── style.css  
  ├── script.js  
  └── images/
```

---

## Step 2: Create an S3 Bucket

1. Log in to **AWS Console**
  2. Go to **S3**
  3. Click **Create bucket**
  4. Bucket name:  
5. your-name-portfolio-website
  - ⚠ Must be **globally unique**
  6. Region: choose any (e.g. us-east-1)
  7. **Uncheck:**  
 *Block all public access*
  8. Confirm the warning and click **Create bucket**
- 

## Step 3: Upload Website Files

1. Open your newly created bucket
2. Click **Upload**

3. Upload:
    - o index.html
    - o All CSS/JS/image files
  4. Click **Upload**
- 

#### **Step 4: Enable Static Website Hosting**

1. Go to **Bucket** → **Properties**
2. Scroll to **Static website hosting**
3. Click **Edit**
4. Enable **Static website hosting**
5. Set:
  - o Index document: index.html
  - o Error document: error.html (optional)
6. Save changes

You'll now see a **Website endpoint URL** — keep this.

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#### **Step 5: Make Bucket Public (Bucket Policy)**

Without this step, the site will give **403 Forbidden** 

1. Go to **Permissions**
2. Click **Bucket Policy**
3. Paste this policy (replace bucket name):

```
{  
  "Version": "2012-10-17",  
  "Statement": [  
    {  
      "Sid": "PublicReadGetObject",  
      "Effect": "Allow",  
      "Principal": "*",  
      "Action": "s3:GetObject",  
      "Resource": "arn:aws:s3:::your-name-portfolio-website/*"  
    }  
  ]}
```

```
]  
}  
4. Save changes
```

---

#### Step 6: Access Website from Local Browser

1. Copy the **S3 Website endpoint**

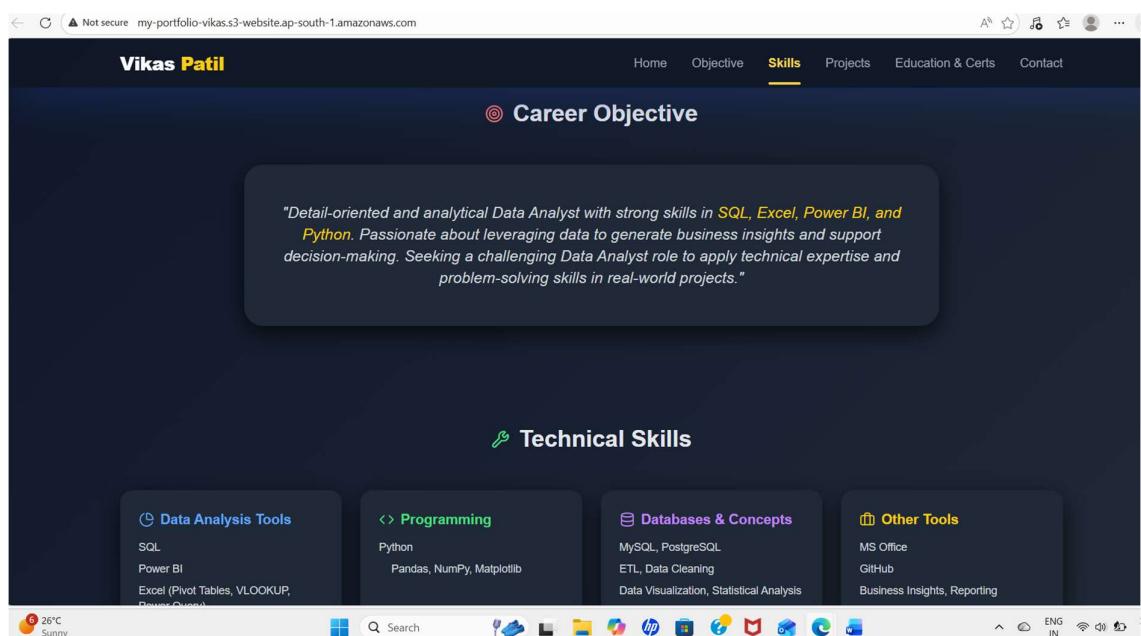
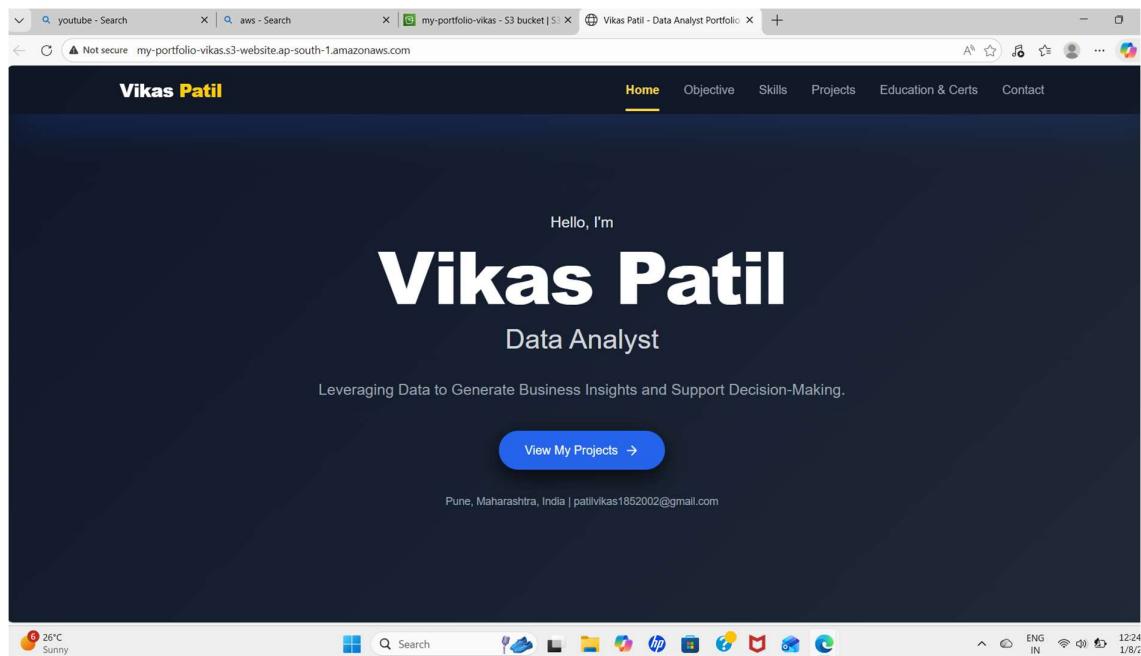
Example:

2. <http://your-name-portfolio-website.s3-website-us-east-1.amazonaws.com>
3. Paste it into **Chrome / Firefox / Edge**
4.  Your portfolio website is live!

The screenshot shows the AWS S3 console interface. At the top, there are two tabs: 'General purpose buckets' (selected) and 'Directory buckets'. Below the tabs, a sub-header for 'General purpose buckets (1)' is shown, with a note that buckets are containers for data stored in S3. A search bar for 'Find buckets by name' is present. To the right are buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. A table lists the single bucket: 'my-portfolio-vikas' (Name), 'Asia Pacific (Mumbai) ap-south-1' (AWS Region), and 'January 8, 2026, 11:58:56 (UTC+05:30)' (Creation date). Below this, a breadcrumb navigation shows 'Amazon S3 > Buckets > my-portfolio-vikas'. The main content area is titled 'my-portfolio-vikas' with an 'Info' link. It has tabs for 'Objects', 'Metadata', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is selected, showing a table for 'Objects (1)'. The object listed is 'index.html', with details: Type (html), Last modified (January 8, 2026, 12:01:30 (UTC+05:30)), Size (28.5 KB), and Storage class (Standard). Action buttons for the object include 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'.

Link of my portfolio using AWS S3 bucket :

[vikas patil portfolio using s3 bucket](https://s3.ap-south-1.amazonaws.com/my-portfolio-vikas/index.html)



Not secure my-portfolio-vikas.s3-website.ap-south-1.amazonaws.com

Vikas Patil

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## Projects & Experience

**Sales Data Analysis (Capstone Project)**

Data Cleansing & Visualization

- Cleaned and transformed 1M+ rows of sales data using SQL and Excel.
- Built Power BI dashboards showing regional sales performance, product trends, and revenue growth.
- Identified top-performing products and recommended pricing strategies, leading to a 15% forecast improvement.

Expand Project Details

**HR Analytics Dashboard**

Attrition & Retention Analysis

- Used Power BI to create a workforce attrition dashboard, visualizing key metrics.
- Analyzed employee data to identify attrition trends, satisfaction levels, and retention risks.
- Suggested strategies to reduce attrition by 10% through targeted retention policies.

6 26°C Sunny

Search

12:25

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Vikas Patil

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## Education & Certs

**Insurance Management System (Academic)**

Full-Stack Development (SQL & PHP)

- Developed a system for managing policies, claims, and reports using SQL & PHP.
- Designed ERD and optimized database queries for faster report generation.
- Helped in automating policyholder data tracking and claim approvals.

Expand Project Details

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Education & Certifications

Academic Background

Master of Computer Applications (MCA)  
Shivaji University, 2025

Bachelor of Computer Science (B.Sc. CS)  
Shivaji University, 2023

Professional Certifications

- Microsoft Power BI Desktop for Business Intelligence - Udemy (2025)
- SQL for Data Science - Coursera (2024)
- Excel for Business Analytics - Coursera (2024)

Get In Touch

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## # Static Website Hosting Using AWS S3

### ## 🎨 Project Overview

This project demonstrates how to host a static portfolio website using Amazon S3 and access it via a public website endpoint.

### ## 🚫 Services Used

- Amazon S3
- IAM (Bucket Policy)

### ## 🚀 Deployment Steps

1. Created an S3 bucket with a globally unique name
2. Disabled block public access
3. Uploaded static website files
4. Enabled static website hosting
5. Applied bucket policy for public read access
6. Accessed website using S3 website endpoint

### ## 🌐 Live Demo

<http://your-bucket-name.s3-website-region.amazonaws.com>

### ## 📸 Screenshots

- S3 bucket configuration
- Static website output

### ## 📚 Learning Outcome

- Understanding S3 static website hosting
- Working with bucket policies
- Public access configuration

