

Git bash :

```
cd "C:\Users\Atharva\Documents\Atharva Documets\Cloud computing project"
```

```
chmod 400 atharva-key.pem
```

```
ssh -i Atharva-key.pem ec2-user@3.110.187.28
```

```
sudo yum update -y
```

```
sudo yum install python3-pip -y
```

```
pip3 --version
```

```
pip3 install Flask boto3
```

```
mkdir file_storage_app
```

```
cd file_storage_app
```

```
nano app.py
```

```
from flask import Flask, request, redirect, url_for
```

```
import boto3
```

```
import os
```

```
app = Flask(__name__)
```

```
S3_BUCKET_NAME = 'atharvastores' # apne bucket ka naam yahan likho
```

```
s3 = boto3.client('s3', region_name='ap-south-1') # apne region ke hisab se set karo
```

```
@app.route('/', methods=['GET', 'POST'])
```

```
def upload_file():
```

```
    if request.method == 'POST':
```

```
        if 'file' not in request.files:
```

```
            return 'No file part'
```

```
        file = request.files['file']
```

```
        if file.filename == '':
```

```
return 'No selected file'
```

```
if file:
```

```
    try:
```

```
        s3.upload_fileobj(file, S3_BUCKET_NAME, file.filename)
```

```
    return ''
```

```
<!doctype html>
```

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

```
<head>
```

```
    <meta charset="UTF-8" />
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
```

```
    <title>Cloud File Storage - Upload</title>
```

```
    <style>
```

```
        body {
```

```
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
```

```
            background: url('https://images.unsplash.com/photo-1498050108023-  
c5249f4df085?auto=format&fit=crop&w=1350&q=80') no-repeat center center fixed;
```

```
            background-size: cover;
```

```
            display: flex;
```

```
            justify-content: center;
```

```
            align-items: center;
```

```
            height: 100vh;
```

```
            margin: 0;
```

```
        }
```

```
        .overlay {
```

```
            background-color: rgba(255, 255, 255, 0.95);
```

```
            padding: 30px 40px;
```

```
            border-radius: 12px;
```

```
            box-shadow: 0 4px 15px rgba(0,0,0,0.3);
```

```
            text-align: center;
```

```
            width: 90%;
```

```
        max-width: 400px;
    }
    h1 {
        margin-bottom: 15px;
        color: #333;
    }
    p {
        color: #555;
        margin-bottom: 20px;
    }
    input[type="file"] {
        margin: 20px 0;
        padding: 10px;
        border-radius: 6px;
        border: 1px solid #ccc;
        width: 100%;
        box-sizing: border-box;
    }
    input[type="submit"] {
        background-color: #5563DE;
        color: white;
        border: none;
        padding: 12px 20px;
        border-radius: 6px;
        cursor: pointer;
        font-size: 16px;
        transition: background-color 0.3s ease;
    }
    input[type="submit"]:hover {
        background-color: #3b4db8;
    }
}
```

```

        footer {
            margin-top: 20px;
            font-size: 14px;
            color: #777;
        }
    </style>
</head>
<body>
    <div class="overlay">
        <h1>Cloud File Storage</h1>
        <p>File uploaded successfully!</p>
        <a href="/">Upload another file</a>
        <footer>&copy; 2025 Cloud Storage System</footer>
    </div>
</body>
</html>
'''

```

except Exception as e:

```
    return f'Error uploading file: {e}'
```

GET request - show upload form

```
return '''
```

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```
<head>
```

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```
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
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justify-content: center;
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border: 1px solid #ccc;
```

```

        width: 100%;

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        background-color: #5563DE;

        color: white;

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        padding: 12px 20px;

        border-radius: 6px;

        cursor: pointer;

        font-size: 16px;

        transition: background-color 0.3s ease;
    }
    input[type="submit"]:hover {
        background-color: #3b4db8;
    }
    footer {
        margin-top: 20px;

        font-size: 14px;

        color: #777;
    }
</style>
</head>
<body>
    <div class="overlay">
        <h1>Cloud File Storage</h1>

        <p>Upload your files securely to the cloud</p>

        <form method="post" enctype="multipart/form-data">
            <input type="file" name="file" required>

            <input type="submit" value="Upload File">
        </form>
    </div>
</body>
</html>

```

```
<footer>&copy; 2025 Cloud Storage System</footer>
```

```
</div>
```

```
</body>
```

```
</html>
```

```
'''
```

```
if __name__ == '__main__':
```

```
    app.run(debug=True, host='0.0.0.0')
```

```
python3 app.py
```