🔐 Secure File Portal

Choose File | No file chosen

Upload & Encrypt

Encrypted File ID:

db05f773-0f98-4a53-b216-585ac508af43

Download Encrypted File

Choose File | No file chosen

Decrypt Uploaded File

⚠ Only upload encrypted (.enc) files downloaded from this portal

templates > <> index.html > ...

```html
<!DOCTYPE html>
<html>
<head>
    <title>Secure File Portal</title>
    <style>
        body {
            font-family: Arial;
            background: #0f172a;
            color: #e5e7eb;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }
        .box {
            background: #111827;
            padding: 30px;
            border-radius: 10px;
            width: 420px;
        }
        h2 {
            text-align: center;
        }
        input, button {
            width: 100%;
            margin-top: 10px;
            padding: 10px;
        }
        button {
            border: none;
            font-weight: bold;
            cursor: pointer;
        }
        .encrypt {
            background: #22c55e;
        }
        .download {
            background: #3b82f6;
        }
        .error {
            color: #f87171;
```

app.py > ...

```python
import os
import uuid
import io

from flask import Flask, request, send_file, abort, render_template
from dotenv import load_dotenv
from crypto_utils import encrypt_file, decrypt_file

# ---------------------------
# Load AES key
# ---------------------------
load_dotenv()

AES_SECRET = os.getenv("AES_SECRET")
if not AES_SECRET:
    raise ValueError("AES_SECRET not set")

AES_KEY = AES_SECRET.encode()

# ---------------------------
# Paths
# ---------------------------
BASE_DIR = os.path.dirname(os.path.abspath(__file__))
UPLOAD_DIR = os.path.join(BASE_DIR, "uploads")
os.makedirs(UPLOAD_DIR, exist_ok=True)

# ---------------------------
# Flask app
# ---------------------------
app = Flask(__name__)

# ---------------------------
# Homepage
# ---------------------------
@app.route("/")
def index():
    return render_template("index.html")

# ---------------------------
# Encrypt & Upload
# ---------------------------
```

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS