# AI Based Study Planner

## ***app.py***

from flask import Flask, render\_template, request, redirect, url\_for, session

import google.generativeai as genai

app = Flask(\_\_name\_\_)

app.secret\_key = '1234'

# Dummy login credentials

users = {'arpit': '1234','sanju': '1234'}

# Gemini API setup

genai.configure(api\_key="AIzaSyD2FUOv9FKMip-OiJJtBYr1USpjD3Hk0A4")

model = genai.GenerativeModel("gemini-2.0-flash")

@app.route('/')

def home():

return redirect(url\_for('login'))

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

def login():

if request.method == 'POST':

username = request.form['username']

password = request.form['password']

if users.get(username) == password:

session['user'] = username

return redirect(url\_for('dashboard'))

else:

return "Invalid credentials"

return render\_template('login.html')

@app.route('/logout')

def logout():

session.clear()

return redirect(url\_for('login'))

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

def dashboard():

if 'user' not in session:

return redirect(url\_for('login'))

if request.method == 'POST':

user\_input = request.form.to\_dict(flat=True)

session['form\_data'] = user\_input

prompt = f"""

Generate a weekly personalized study plan for a student with:

Name: {user\_input['name']},

Age: {user\_input['age']},

Subjects: {user\_input['subjects']},

Study Hours per Day: {user\_input['hours\_per\_day']},

Study Style: {user\_input['study\_style']},

Time Slots: {user\_input['time\_slots']},

Short Term Goal: {user\_input['short\_term\_goal']},

Long Term Goal: {user\_input['long\_term\_goal']}.

Make the schedule visually structured and motivating. Note\* Don't make any table format, just a simple text output.Provide a detailed plan for each day of the week, including specific tasks and study techniques.

"""

response = model.generate\_content(prompt)

plan = response.text

session['study\_plan'] = plan

return render\_template('result.html', plan=plan)

return render\_template('dashboard.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

## ***templates***

### ***dashboard.html***

<!DOCTYPE html>

<html>

<head>

<title>Dashboard</title>

<link rel="stylesheet" href="static/style.css">

<script src="static/script.js"></script>

<script>

document.querySelector('form').addEventListener('submit', function(e) {

const hours = document.querySelector('input[name="hours\_per\_day"]');

if (hours.value < 1 || hours.value > 24) {

alert('Please enter valid study hours (1-24)');

e.preventDefault();

}

});

</script>

</head>

<body>

<h1><b>Welcome to AI Study Planner</b></h1>

<div class="container">

<form method="post">

<form method="post">

<div id="left">

<label for="name">Name:</label>

<input type="text" id="name" name="name"><br><br>

<label for="age">Age:</label>

<input type="number" id="age" name="age"><br><br>

<label for="subjects">Subjects:</label>

<input type="text" id="subjects" name="subjects"><br><br>

<label for="hours\_per\_day">Study Hours/Day:</label>

<input type="number" id="hours\_per\_day" name="hours\_per\_day"><br><br>

</div>

<div id="right">

<label for="time\_slots">Preferred Time Slots:</label>

<input type="text" id="time\_slots" name="time\_slots"><br><br>

<label for="short\_term\_goal">Short Term Goal:</label>

<input type="text" id="short\_term\_goal" name="short\_term\_goal"><br><br>

<label for="long\_term\_goal">Long Term Goal:</label>

<input type="text" id="long\_term\_goal" name="long\_term\_goal"><br><br>

<label for="study\_style">Study Style:</label>

<select id="study\_style" name="study\_style">

<option value="Visual">Visual</option>

<option value="Auditory">Auditory</option>

<option value="Kinesthetic">Kinesthetic</option>

</select><br><br>

</div>

<button type="submit">Generate Study Plan</button>

</form>

</div>

<a href="{{ url\_for('login') }}">Logout</a>

</body>

</html>

### ***login.html***

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

<link rel="stylesheet" href="static/style.css">

<script src="static/script.js"></script>

</head>

<body>

<h2><b>Login</b></h2>

<form method="post">

<label for="username">Username:</label>

<input type="text" id="username" name="username"><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password"><br><br>

<button type="submit">Login</button>

</form>

</body>

</html>

### ***result.html***

<!DOCTYPE html>

<html>

<head>

<title><b>Study Plan</b></title>

<link rel="stylesheet" href="static/style.css">

<script src="static/script.js"></script>

</head>

<body>

<h2>Your AI-Generated Study Plan</h2>

<pre>{{ plan }}</pre>

<br><br>

<a href="{{ url\_for('dashboard') }}">Back to Dashboard</a>

</body>

## </html>

## ***static***

### **style.css**

*\* {*

*margin: 0;*

*padding: 0;*

*box-sizing: border-box;*

*}*

*body {*

*font-family: 'Segoe UI', sans-serif;*

*background: linear-gradient(#03dbf8, #d507dc);*

*color: #000000;*

*min-height: 100vh;*

*display: flex;*

*flex-direction: column;*

*}*

*h1, h2 {*

*text-align: center;*

*color: #000000;*

*margin-top: 30px;*

*font-weight: 600;*

*}*

*label{*

*color:#000000;*

*font-weight: 400;*

*}*

*form {*

*max-width: 100%;*

*margin: 40px auto;*

*background: rgba(255, 255, 255, 0.15);*

*padding: 30px;*

*border-radius: 16px;*

*box-shadow: 0 8px 20px rgba(0, 0, 0, 0.2);*

*backdrop-filter: blur(10px);*

*-webkit-backdrop-filter: blur(10px);*

*transition: all 0.3s ease;*

*border: 1px solid rgba(255, 255, 255, 0.3);*

*}*

*.container {*

*width: 1000px;*

*max-width: 1200px;*

*margin: 0 auto;*

*display: flex;*

*flex-wrap: wrap;*

*justify-content: space-between;*

*align-items: flex-start;*

*}*

*#left, #right {*

*width: 45%;*

*padding: 20px;*

*box-sizing: border-box;*

*}*

*#left {*

*float: left;*

*border-radius: 10px;*

*margin-right: 5%;*

*}*

*#right {*

*float: right;*

*border-radius: 10px;*

*}*

*form:hover {*

*transform: translateY(-3px);*

*}*

*/\* Input Fields \*/*

*input[type=text],*

*input[type=password],*

*input[type=number],*

*select {*

*width: 100%;*

*padding: 12px 15px;*

*margin-bottom: 20px;*

*border: 1px solid #ccc;*

*border-radius: 8px;*

*font-size: 1rem;*

*transition: border 0.3s ease;*

*}*

*input:focus,*

*select:focus {*

*border-color: #3498db;*

*outline: none;*

*}*

*/\* Buttons \*/*

*button,input[type=submit] {*

*text-align: center;*

*background: #3498db;*

*color: white;*

*padding: 12px 20px;*

*font-size: 1rem;*

*border: none;*

*border-radius: 8px;*

*cursor: pointer;*

*transition: background 0.3s ease, transform 0.2s ease;*

*display: block;*

*width: 60%;*

*border: #000000 1px solid;*

*margin: 0 auto;*

*}*

*button:hover,*

*input[type=submit]:hover {*

*background: #2980b9;*

*transform: scale(1.02);*

*}*

*/\* Links \*/*

*a {*

*text-align: center;*

*display: block;*

*color: #000000;*

*margin-top: 20px;*

*text-decoration: none;*

*transition: color 0.3s ease;*

*}*

*a:hover {*

*color: #1c5980;*

*}*

*/\* Result Display \*/*

*pre {*

*background: rgba(46, 74, 52, 0.85);*

*color: #fff;*

*border: 1px solid rgba(255, 255, 255, 0.2);*

*padding: 20px;*

*max-width: 90%;*

*margin: 30px auto;*

*border-radius: 8px;*

*white-space: pre-wrap;*

*word-wrap: break-word;*

*box-shadow: 0 4px 12px rgba(0, 0, 0, 0.2);*

*font-family: 'Courier New', Courier, monospace;*

*font-size: 1rem;*

*backdrop-filter: blur(6px);*

*-webkit-backdrop-filter: blur(6px);*

*}*

*.footer {*

*color: #000000;*

*text-align: center;*

*padding: 15px 0;*

*font-size: 14px;*

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

*width: 100%;*

*bottom: 0;*

*}*

*@media (max-width: 600px) {*

*form {*

*margin: 20px;*

*padding: 20px;*

*}*

*button, input[type=submit] {*

*font-size: 0.95rem;*

*}*

*}*

### **Script.js**

// gradient-animation.js

document.addEventListener('DOMContentLoaded', function() {

// Gradient animation parameters

let angle = 100;

let speed = 2; // Adjust this for smoother animation

let direction = 1; // 1 for clockwise, -1 for counter-clockwise

let animationId = null;

const angleDisplay = document.getElementById('angleDisplay');

// Update the gradient

function updateGradient() {

angle = (angle + speed \* direction) % 360;

if (angle < 0) angle += 360; // Ensure positive angle

// Apply the gradient

document.body.style.background = `linear-gradient(${angle}deg,rgb(135, 6, 255),rgb(255, 123, 0))`; //#03dbf8, #d507dc

// Update angle display if element exists

if (angleDisplay) {

angleDisplay.textContent = `Angle: ${Math.round(angle)}°`;

}

// Continue the animation

animationId = requestAnimationFrame(updateGradient);

}

// Start the animation

updateGradient();

});