

## Project Development Phase

### Flask Folder Structure

Date	22 February 2026
Team ID	LTVIP2026TMIDS35954
Title	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau

### Web Integration Using Flask

To integrate Tableau dashboards and stories into a web application, Flask (a lightweight Python web framework) was used. The Tableau visualizations published on Tableau Public were embedded into an HTML page and rendered using Flask.

### Flask Project Folder Structure

Tableau\_Flask\_Project/

```
|
|
|— app.py
|
|— templates/
|   └─ index.html
```

### Description of Project Files

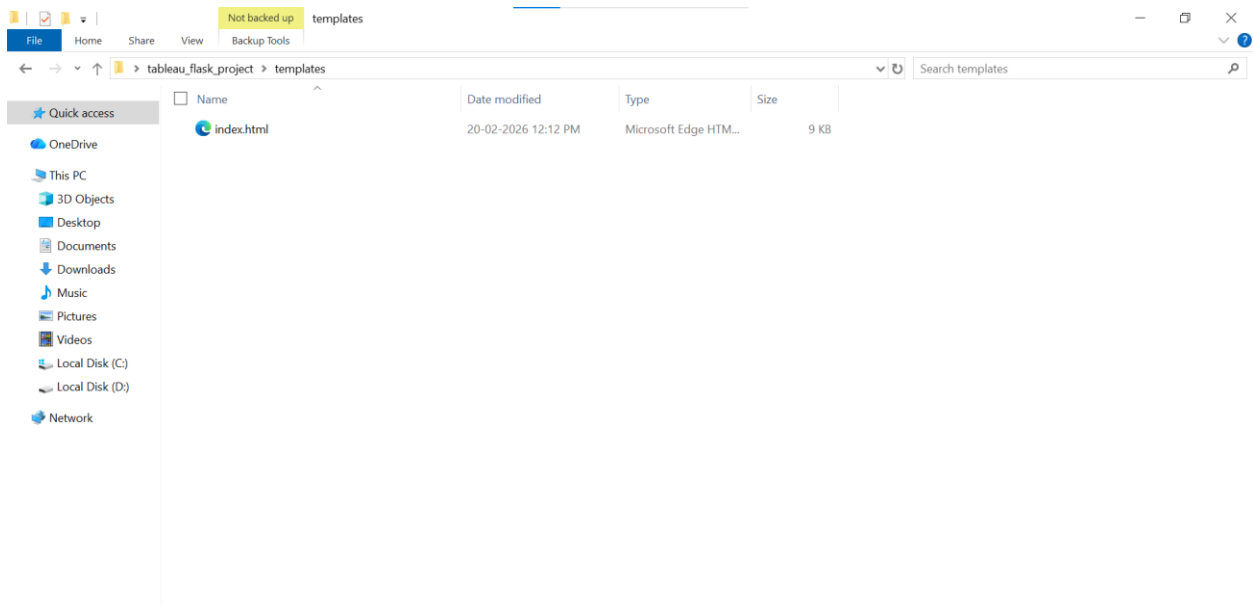
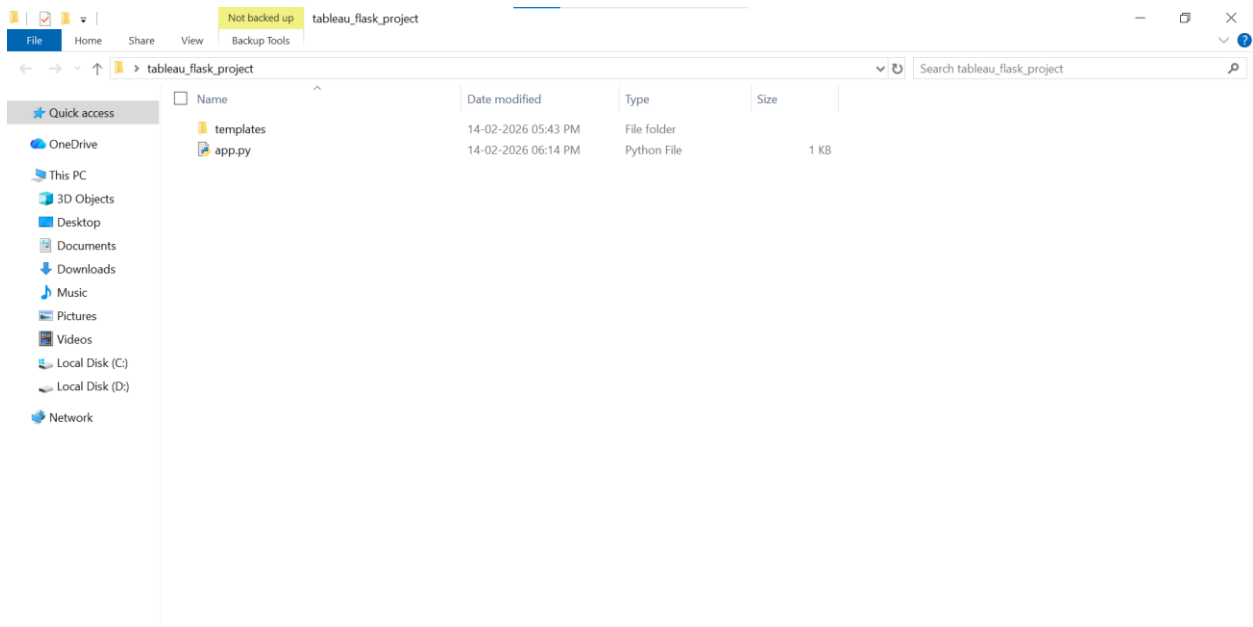
#### **app.py**

This file serves as the main Flask application. It handles routing and renders the HTML template that contains the embedded Tableau dashboards and story.

#### **templates/index.html**

This HTML file contains the embedded Tableau Public dashboards and story visualizations using Tableau's embed code. It is responsible for displaying interactive visual analytics on the web page.

## Screen Shots of Flask Folder:



## Dataset Link:

[https://drive.google.com/file/d/1JxIkHNwXxjFztKq7ad0\\_KtkukCqTckNy/view](https://drive.google.com/file/d/1JxIkHNwXxjFztKq7ad0_KtkukCqTckNy/view)

**Tableau Public Link:**

<https://public.tableau.com/app/profile/shaik.muskan1053/viz/PluggingintotheFutureAnExplorationofElectricityConsumptionPatternsUsingTableau/TotalRegionConsumption>