

Final Integration & Testing

Objective: Ensure smooth interaction across modules.

Connect All Pages

- ◆ Navigation working via sidebar
- ◆ Real-time API interactions tested

Run Final Test:

`uvicorn app.main:app --reload streamlit run smart_dashboard.py`

```
(venv) PS C:\Users\Admin\Desktop\Smartbridge\Smartcity_assistant> uvicorn app.main:app --reload
>>
INFO: Will watch for changes in these directories: ['C:\\Users\\Admin\\Desktop\\Smartbridge\\Smartcity_assistant']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [4468] using WatchFiles
INFO: Started server process [11772]
INFO: Waiting for application startup.
INFO: Application startup complete.

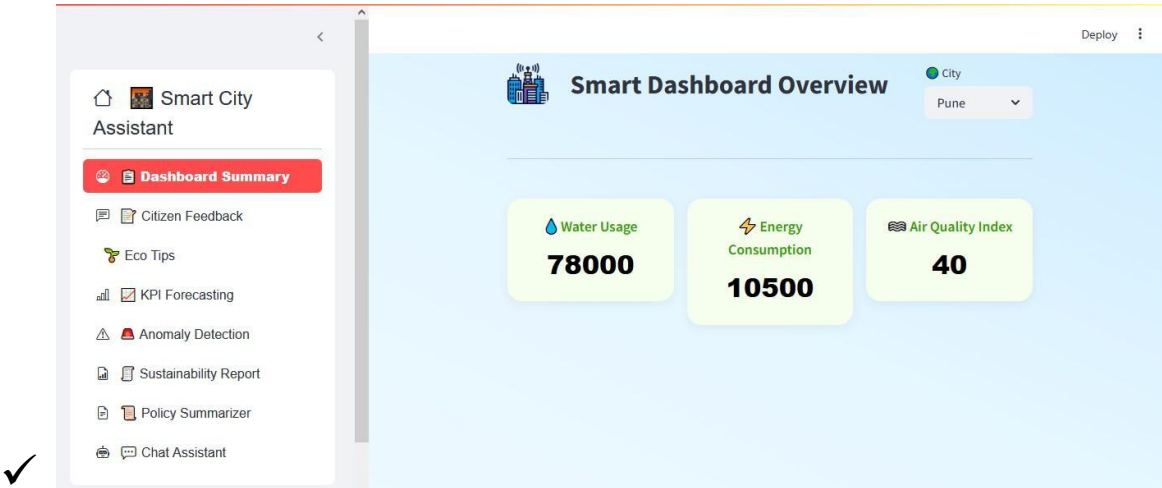
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
INFO: 127.0.0.1:54767 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54762 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54763 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54767 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54763 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54767 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54767 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54833 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:54834 - "GET /dashboard/summary?city=Pune HTTP/1.1" 200 OK
INFO: 127.0.0.1:50430 - "POST /forecast-from-file?kpi=energy HTTP/1.1" 200 OK
INFO: 127.0.0.1:50448 - "POST /check-anomaly-from-file?kpi=energy&threshold=1000.0 HTTP/1.1" 200 OK
INFO: 127.0.0.1:50473 - "POST /policy/generate-report HTTP/1.1" 200 OK
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
● PS C:\Users\Admin\Desktop\Smartbridge\Smartcity_assistant> cd smartcity_frontend
○ PS C:\Users\Admin\Desktop\Smartbridge\Smartcity_assistant\smartcity_frontend> streamlit run smart_dashboard.py
>>

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501
Network URL: http://192.168.1.43:8501
```

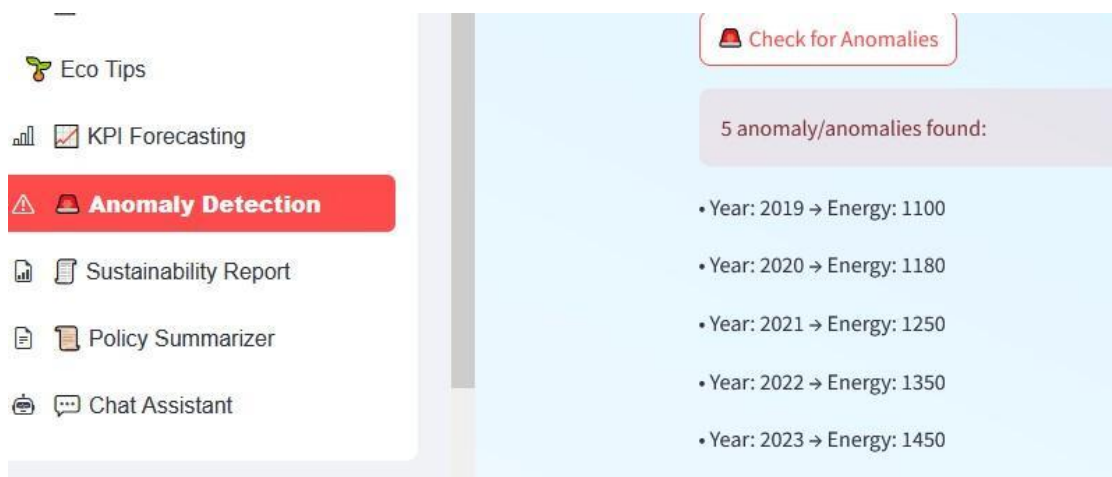
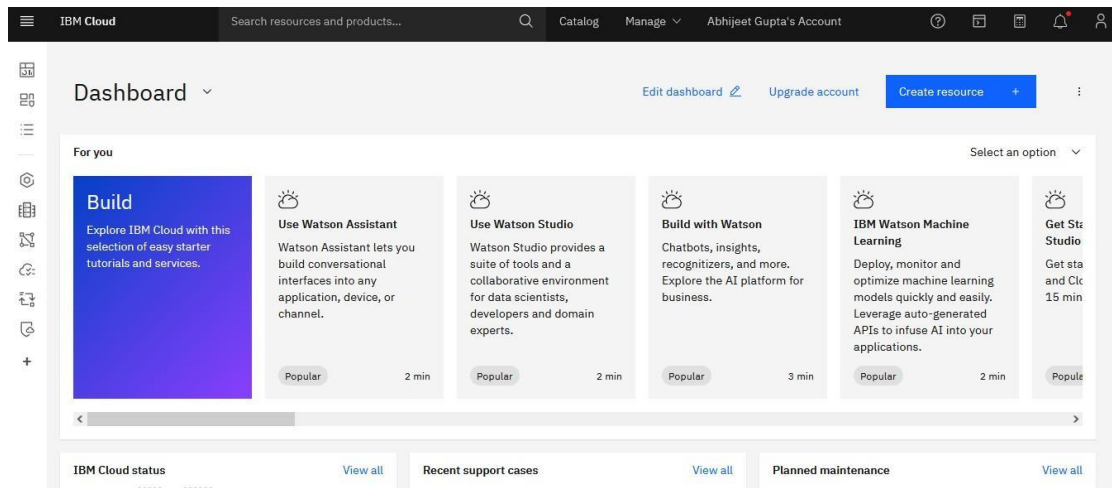
Screenshots / Outputs:



Policy Summarizer

POST	/policy/summarize-policy	Summarize
GET	/policy/test-llm	Test Llm
GET	/policy/summarize-from-file	Summarize From File
POST	/policy/summarize-uploaded-file	Summarize Uploaded File
POST	/policy/generate-markdown-report	Generate Md From Text
POST	/policy/generate-pdf-report	Generate Pdf From Text
POST	/policy/upload-txt-generate-markdown	Generate Md From Uploaded Txt
POST	/policy/upload-txt-generate-pdf	Generate Pdf From Uploaded Txt
POST	/policy/generate-report	Generate Report From Uploaded Txt

A checkmark is placed to the left of the last row of the table.



```

app > data > {} feedback_log.json > {} 7
1  [
2      {
3          "timestamp": "2025-04-09T14:20:13.013642",
4          "user": "Abhijeet",
5          "category": "waste management",
6          "message": "Garbage bins in sector 5 are overflowing every day."
7      },
8      {
9          "timestamp": "2025-04-10T07:01:13.630209",
10         "user": "Vaisali",
11         "category": "Energy",
12         "message": "streets lights are On during Daylight"
13     },
14     {
15         "timestamp": "2025-04-10T11:51:23.871276",
16         "user": "Ankit",
17         "category": "Water",
18         "message": "water supply not available in sector 5 . noida"
19     },
20 ]

```



Eco-Friendly Tips Assistant

Get actionable suggestions to live sustainably based on your query.

🌱 Enter a topic (e.g., recycling, energy, water, plastic):

green park . "10" tips



Get Eco Tip

✅ **Tip:** 1. Use public transportation more often. 2. Walk or bike more often. 3. Buy products that are produced in an environmentally friendly way. 4. Recycle whenever possible. 5. Turn off lights when not in use. 6. Use energy-efficient light bulbs. 7. Use water-saving shower heads and faucet aerators. 8. Use a water filter instead of buying bottled water. 9. Compost food waste. 10. Support businesses that are committed to sustainability.



Predict KPI

Debug Response:

```
{  
  "predicted_year" : 2024  
  "kpi" : "energy"  
  "predicted_value" : 1528.67  
}
```

Forecasted ENERGY for next year: 1528.67