

# MeWayWise

A Travel Mode Recommendation Tool for  
Inclusivity and Equity

AI Hackathon: Tool use in LM Studio

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# 01

Idea

## Inclusive transit system is needed

Efficient and equitable transit options are fundamental to creating inclusive cities where everyone, regardless of their circumstances, can access opportunities and services. **Inclusive transit** systems are essential for:



People with physical challenges

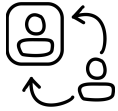


People with unique preference

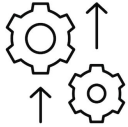


Special environment

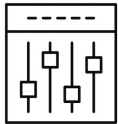
## Why AI can help



**Personal Recommendation:** analyze individual preference



**Dynamic adaptation:** incorporate real-time data from multiple data sources



**Efficiency :** leverage both local datasets and machine learning models

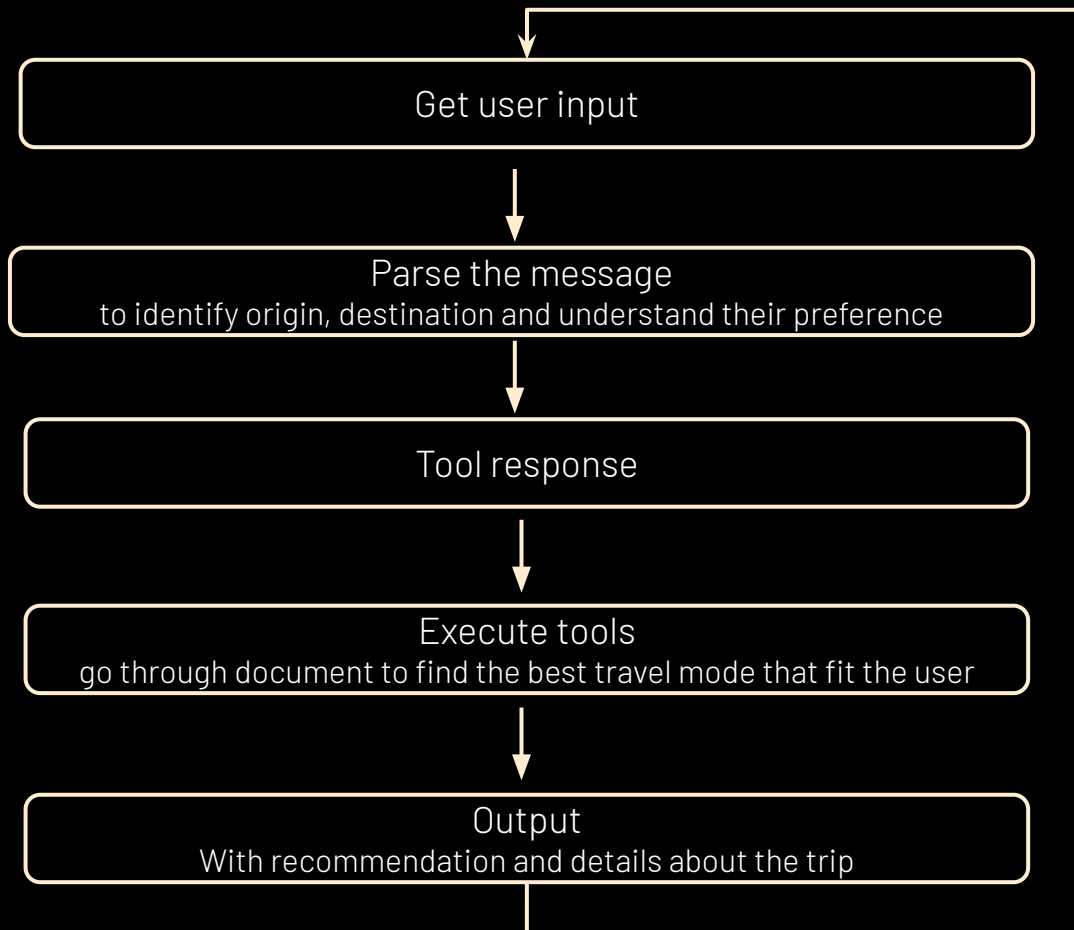
# 02

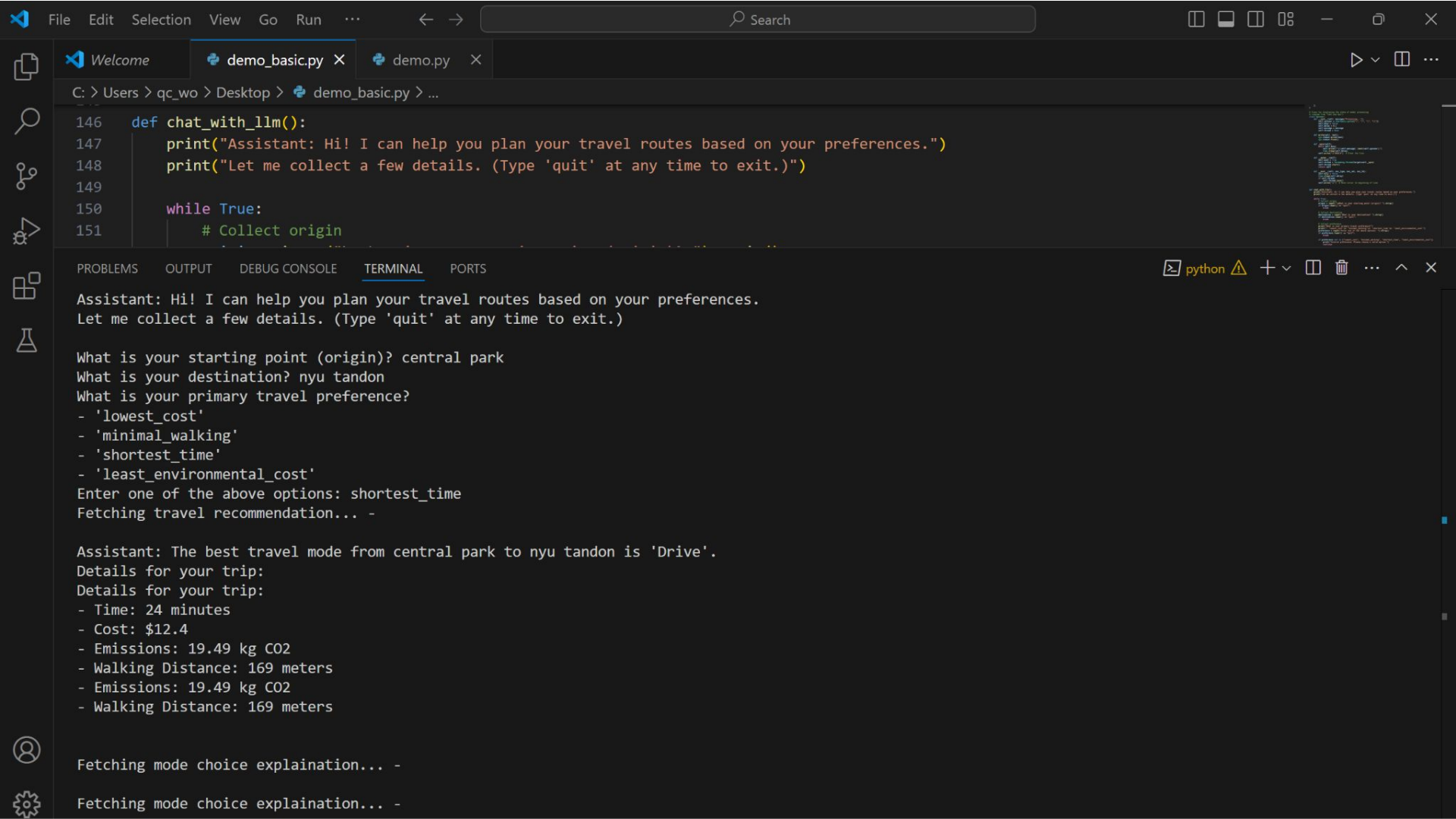
## Demo

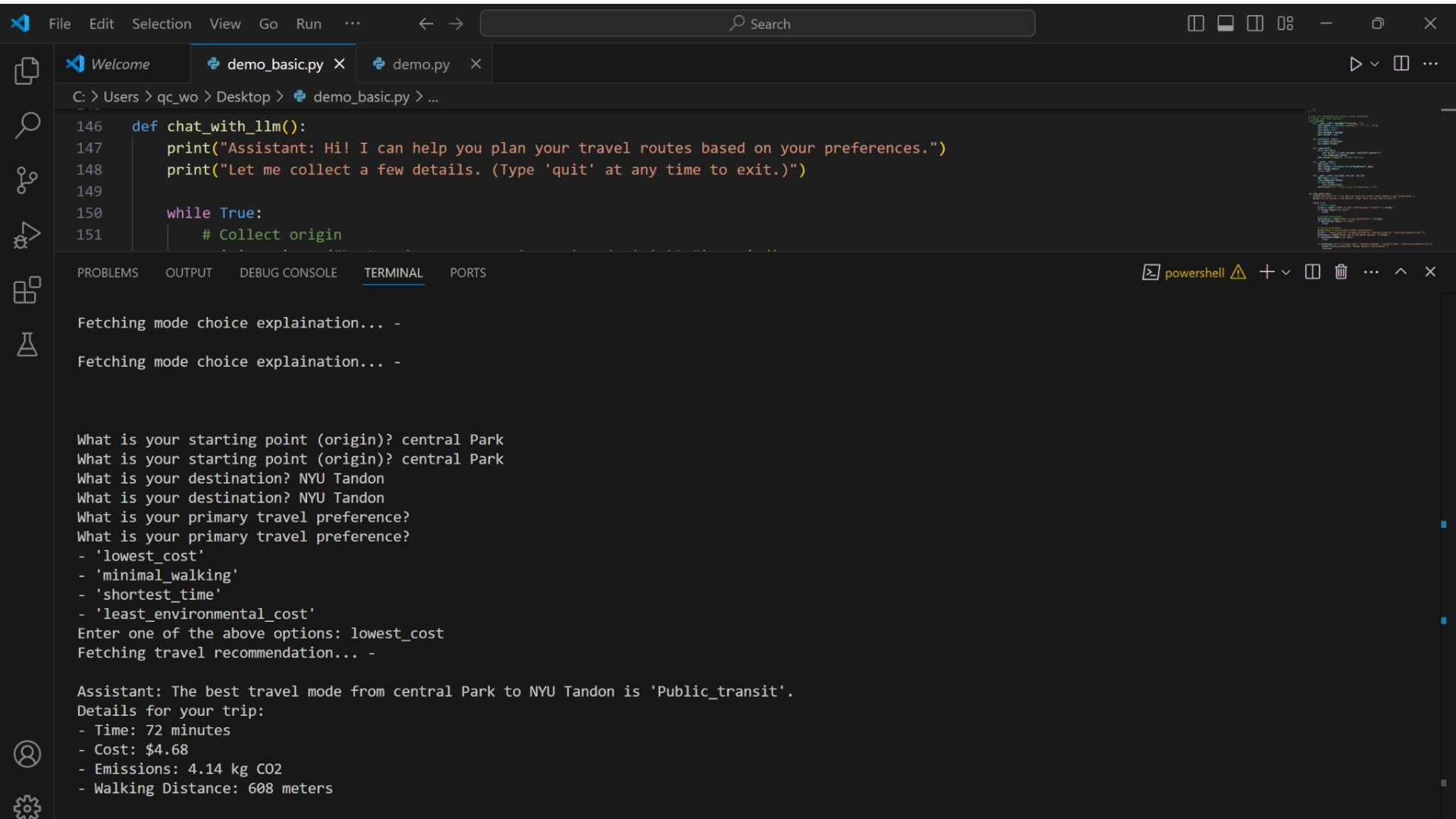
Model : llama-3.2-3b-qnn

[https://github.com/yanchaomcp/AI\\_Hackathon\\_2024/demo\\_basic.py](https://github.com/yanchaomcp/AI_Hackathon_2024/demo_basic.py)

## Frame







```
146 def chat_with_llm():
147     print("Assistant: Hi! I can help you plan your travel routes based on your preferences.")
148     print("Let me collect a few details. (Type 'quit' at any time to exit.)")
149
150     while True:
151         # Collect origin
```

Fetching mode choice explanation... -

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What is your starting point (origin)? central Park

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What is your destination? NYU Tandon

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What is your primary travel preference?

What is your primary travel preference?

- 'lowest\_cost'
- 'minimal\_walking'
- 'shortest\_time'
- 'least\_environmental\_cost'

Enter one of the above options: lowest\_cost

Fetching travel recommendation... -

Assistant: The best travel mode from central Park to NYU Tandon is 'Public\_transit'.

Details for your trip:

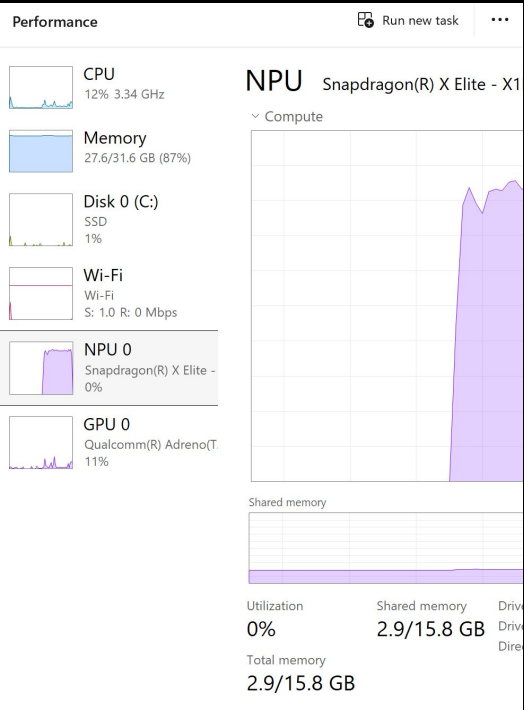
- Time: 72 minutes
- Cost: \$4.68
- Emissions: 4.14 kg CO2
- Walking Distance: 608 meters



```
File Edit Selection View Go Run ... Search
Welcome demo_basic.py demo.py
C:\Users\qc_wo\Desktop> demo_basic.py ...

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS python
```



# 03

## More Demo

Model : qwen2.5-coder-32b

[https://github.com/yanchaomcp/AI\\_Hackathon\\_2024/demo.py](https://github.com/yanchaomcp/AI_Hackathon_2024/demo.py)





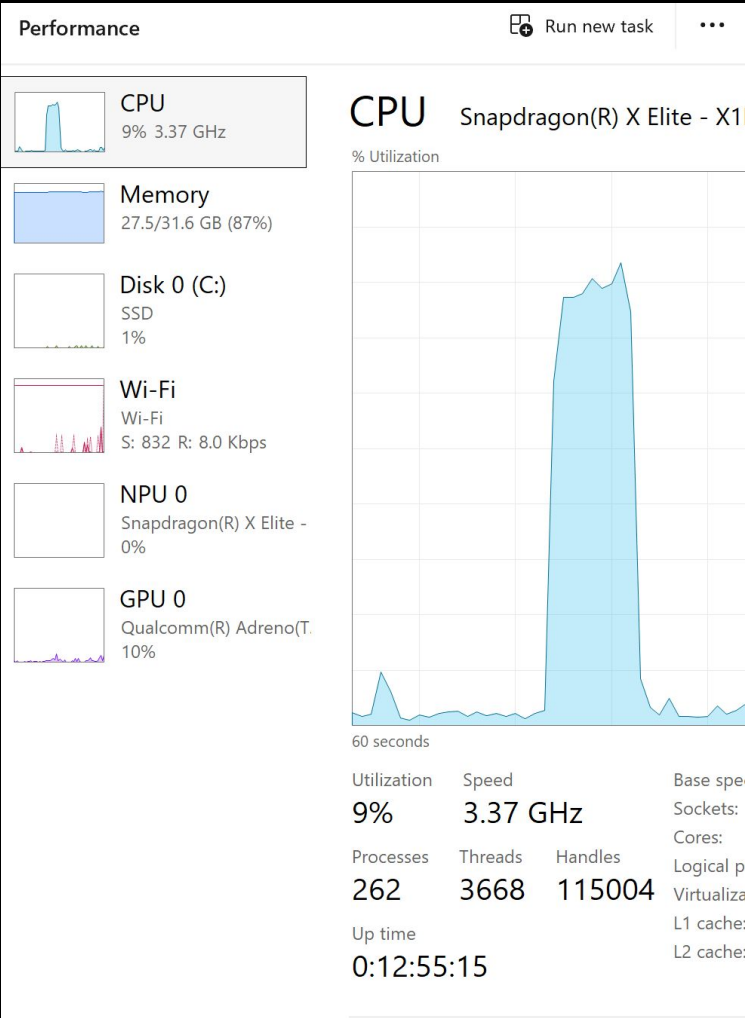








# Parameters





04

Next Step

## Real-time feedback with prediction

### 1. Real-time transit API queries: different travel services, time/money/CO2 cost

Possible processing: query multiple source and transform to form a comprehensive document loading to local.

### 2. Real-time environment : e.g, weather, traffic

Possible output: It will rain in 2 hours, you probably need to use public transit instead of citi-bike today.

Possible output: An accident will cause subway Route A delay at 8:00am, you probably want to leave early at 7:45am.

### 3. Classification models to predict : plan-ahead for different users

Possible output: plan for users without specific order based on their historical preferences.

# Thank you!



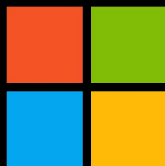
LM Studio



ONNX  
RUNTIME

Snapdragon

X  
Elite



NYU