MeWayWise

A Travel Recommendation Tool for Inclusivity and Equity

AI Hackathon: Tool use in LM Studio

Yanchao Li Dec 8

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

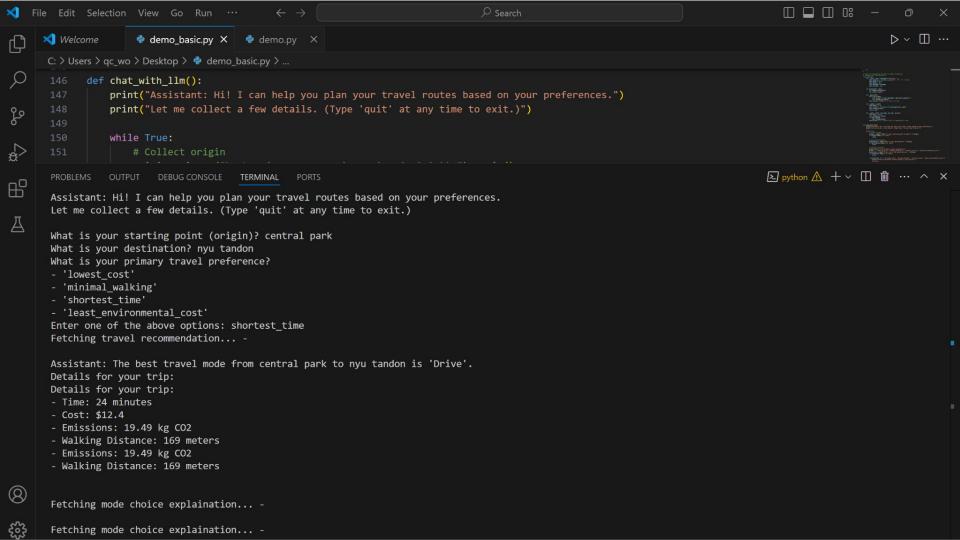


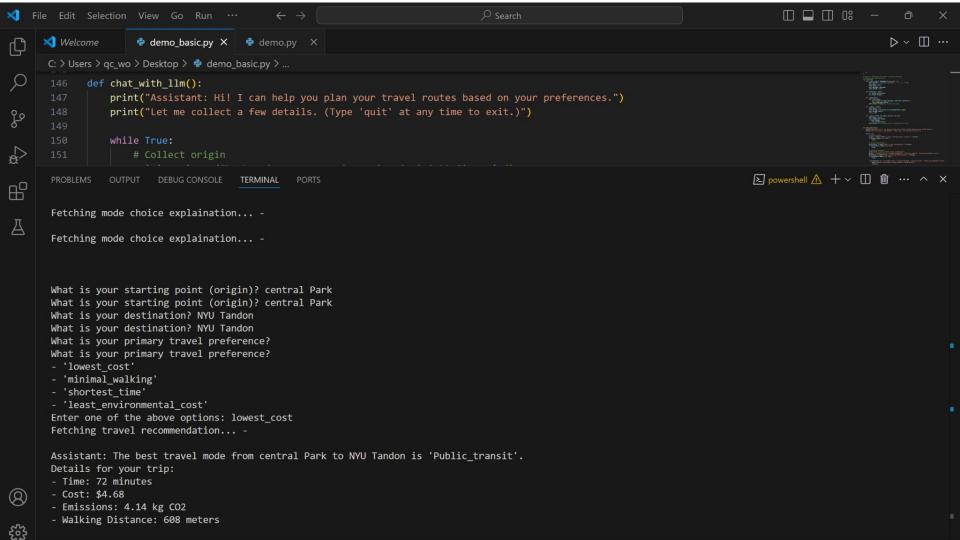
Efficiency: leverage both local datasets and machine learning models



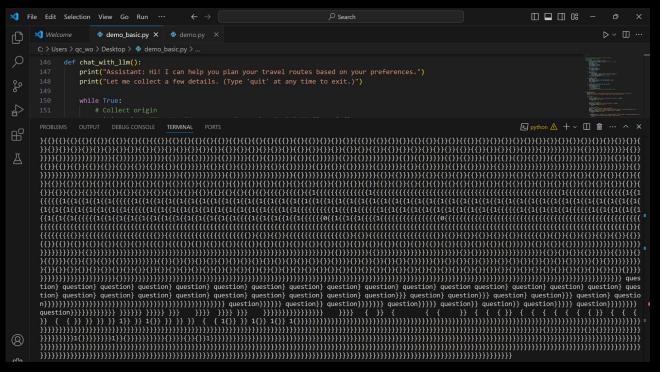
Demo

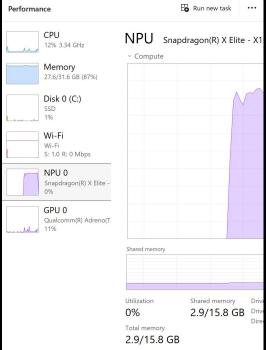
Model: llama-3.2-3b-qnn https://github.com/yanchaomcp/AI_Hackathon_2024/demo_basic.py





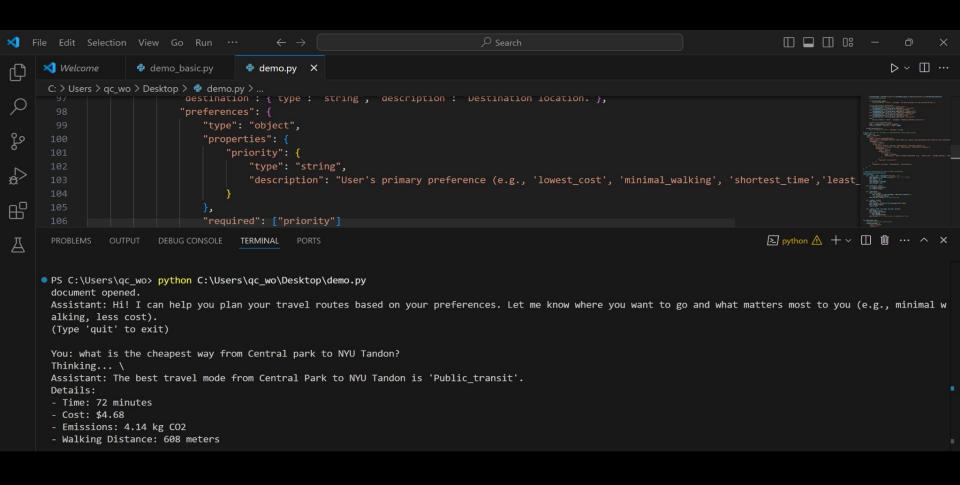
Parameters

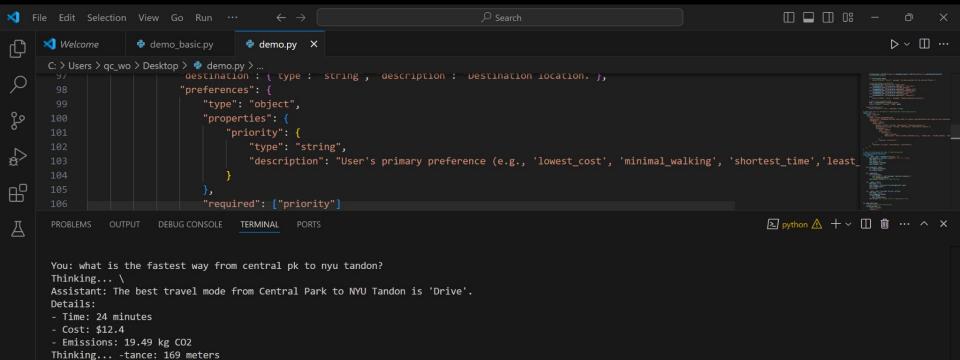


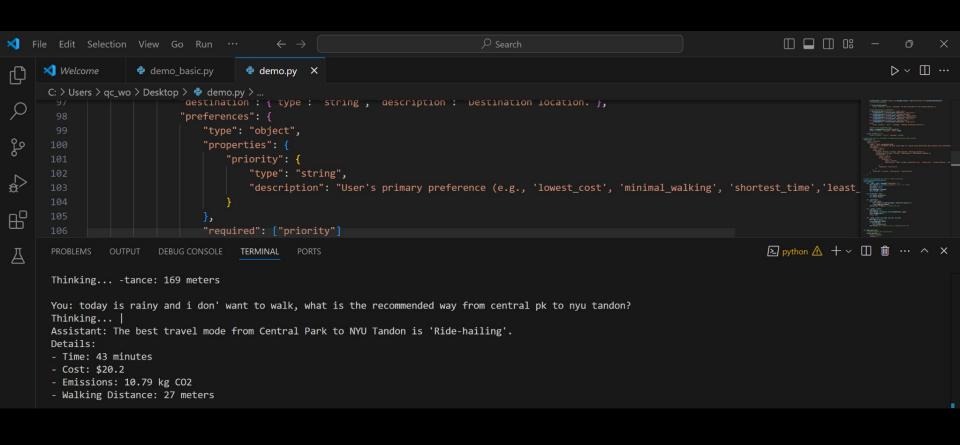


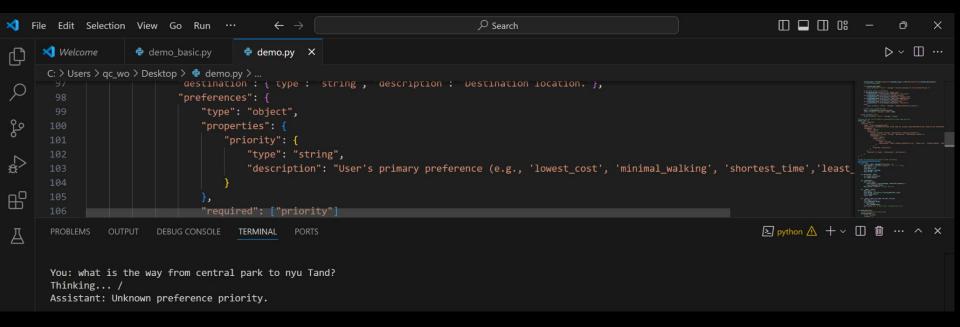
More Demo

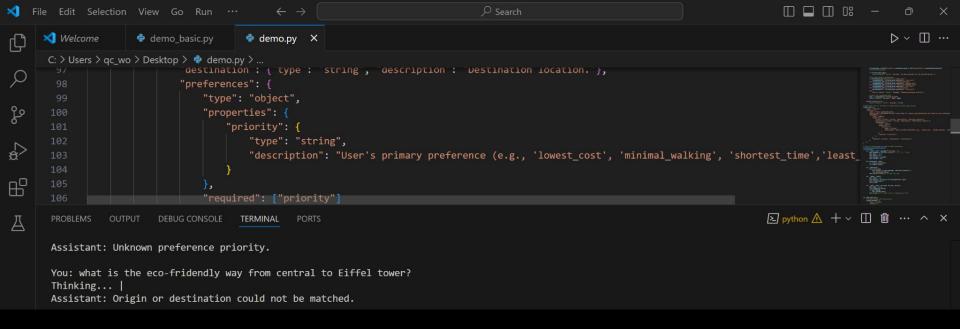
Model: qwen2.5-coder-32b https://github.com/yanchaomcp/AI_Hackathon_2024/demo.py



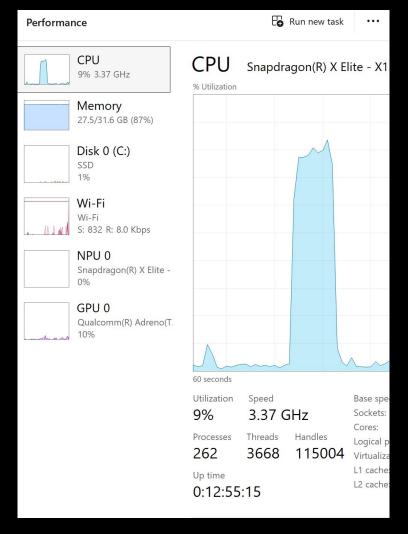








Parameters





Next Step

Real-time feedback with prediction

- 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.
- **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!







