

Multi-Agent Tourism AI System — Project Report

1. Introduction

This project implements an intelligent multi-agent tourism planning system capable of retrieving real-world weather updates and top tourist attractions based on user input.

2. APIs Used

- Open-Meteo (Weather)
- Nominatim (Geocoding)
- Overpass API (Tourist attractions)

3. System Agents

- Parent Tourism Agent
- Weather Agent
- Places Agent

4. Output Example

"In Bangalore it's currently 24°C with a 35% chance of rain.

Here are places you can visit:

- Lalbagh
- Bangalore Palace
- Cubbon Park
- Bannerghatta National Park
- Jawaharlal Nehru Planetarium"

5. Technologies Used

FastAPI, Streamlit, Python, REST APIs

6. Conclusion

This system provides real-time trip guidance, scalable for commercial travel applications.