PERSONAL PORTFOLIO

As a student at Northeastern University,

I specialize in deep learning and large language models. I'm excited to showcase my work and experience in this personal portfolio.

Catalogue

Interdisciplinary **Contest in Modeling:** Modeling: **Riding the Storm**, **Building for Tomorrow Tomorrow** Predict the frequency of of disasters and construct a construct a Risk Loss Index. Index. Modify the decision decision matrix model for for property developers. developers. Develop a building value assessment assessment and protection protection model for community leaders.

Intelligent Temperature Control System for Communication **Stations**

2

Design a system to control air conditioning and other equipment in communication stations, aiming to achieve energyefficient temperature regulation.

TCMGPT

generation.

A TCM healthcare assistant based on the Qwen1.5-14B:

It offers multi-round consultations, voice interactions, and image production. It leverages LLama_factory for LoRA fine-tuning and RAG to enhance QA capabilities for long texts. Additionally, it utilizes Playground v2.5 models for image

Riding the Storm, Building for Tomorrow



Population and GDP per capita fit

Trends in population growth

Intelligent Temperature Control System for Communication Stations



Display the base station name, location, and status information, including temperature and humidity. Also, control the air conditioning temperature.



Click the "Detail" button on the main interface to open the screen displaying the temperature and humidity information of the corresponding base station.



	abnormal time	name	address	temperature	humidity	abnormal level	type
3	2024-05-24 11:17	绵阳观太	绵阳市观音桥街	28	75%	high	power cut
4	2024-05-24 11:17	绵阳观太	绵阳市观音桥街	36	75%	low	excess temperature
5	2024-05-24 11 17	绵阳观太	綿阳市观音桥街	39	75%	low	excess temperature
6	2024-05-24 11 17	绵阳观太	綿阳市观音桥街	41	75%	low	excess temperature
7	2024-05-24 11 17	绵阳观太	綿阳市观音桥街	43	75%	low	excess temperature
8	2024-05-24 11 17	绵阳观太	綿阳市观音桥街	38	75%	low	excess temperature
9	2024-05-24 11 18	绵阳观太	綿阳市观音桥街	265	75%	low	excess temperature
10	2024-05-24 11 18	绵阳观太	綿阳市观音桥街	265	75%	low	excess temperature
11	2024-05-24 11 18	绵阳观太	綿阳市观音桥街	265	75%	low	excess temperature
12	2024-05-24 11 18	绵阳观太	綿阳市观音桥街	34	75%	high	power aut
13	2024-05-24 11 18	绵阳观太	綿阳市观音桥街	34	75%	high	powaraut
14	2024-05-24 11 18	绵阳观太	编吅市观音桥街	40	75%	low	excess temperature
15	2024-05-24 11 18	绵阳观太	绵阳市观音桥街	40	75%	low	excess temperature
16	2024-05-24 11 19	绵阳观太	绵阳市观音桥街	40	75%	low	excess temperature
17	2024-05-24 11 19	绵阳观太	绵阳市观音桥街	42	75%	low	excess temperature

Click the "Add" button on the main interface to open the screen for adding base stations using addresses found through Amap search.

By clicking the "Alarm Log" button, this interface displays all the recent alarm information.





TCMGPT

Customize positive and negative conditions, as well as other restrictions, to control the output of the image. Generating images of medicinal materials makes it convenient for users to identify and learn about medicinal materials.



+ Send a Message

Another possibility is gastritis, which is inflammation of the stomach lining. This can also lead to

Ų (^

diarrhea

function is implemented, enhancing the model's

function is implemented, convenient for users to use.



END

Name: Zhenshuai Yin Email: 202112014@stu.neu.edu.cn



