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| Today, I enhanced my algorithm so that it can not only analyze temperature values, but also interpret more complex situations such as the refrigerator door being left open or a power outage. As a result, the system can now infer physical events from temperature fluctuations, rather than limiting itself to purely numerical analysis.  In parallel with this development, I integrated the Astral:7B large language model into the project to improve the system’s interpretive capabilities. Thanks to CUDA support, the model now runs quickly within the system, and LLM responses can be obtained without delay.  However, there are currently some shortcomings in prompt design. Astral:7B is struggling to generate the detailed and meaningful explanations I expect with the current prompts. I believe the main reason is that the prompts are not sufficiently contextual or goal-oriented. Therefore, I plan to prepare more optimized, example-based, and directive prompt templates for the LLM in the next stages.  Overall, significant progress has been made in making the algorithm sensitive to real-world events and integrating LLM-based natural language explanations into the system. | | | |
| **Sayfa No** | **Çalışmanın** | | **KONTROL** |
|  | Konusu :.........................................  ......................................................... | Yapıldığı Tarih  ...../..../202.. | ......................................  ...................................... |