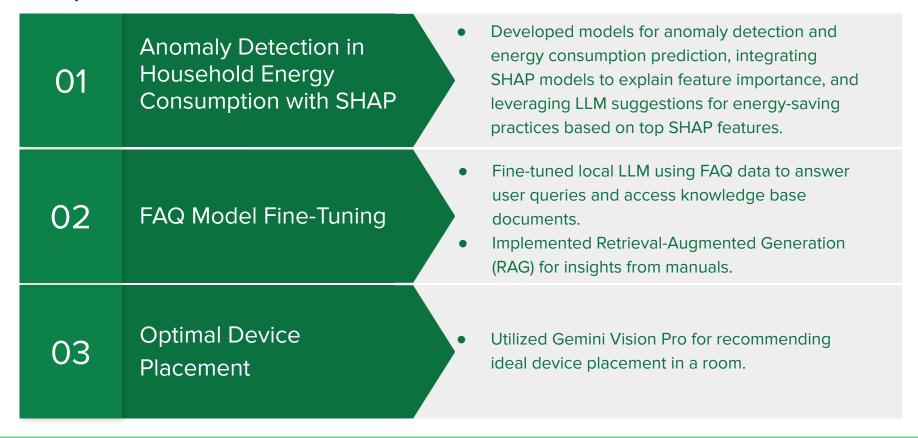
# SmartHome Savant: Optimizing Living Spaces with LLM Innovation

CSE 551: Smart Energy in the Information Age

Group 11: Abhilash, Aditya, Ankith, Snigdha

## Proposed Tasks and Deliverables



## Project Demo

#### **Future Work**

- Running smaller LLMs on edge devices for edge QA and explainability
- Integrate Layout LM and GPT-4 V for recommending ideal device placement in a room.
- Attach the fine tuned model for the explainability and check the performance difference

### Work Distribution

- Ankith Anomaly Detection
- Abhilash Fine-tuned local LLM in FAQ Model Fine-Tuning
- Aditya Implemented RAG in FAQ Model Fine-Tuning
- Snigdha Optimal Device Placement