

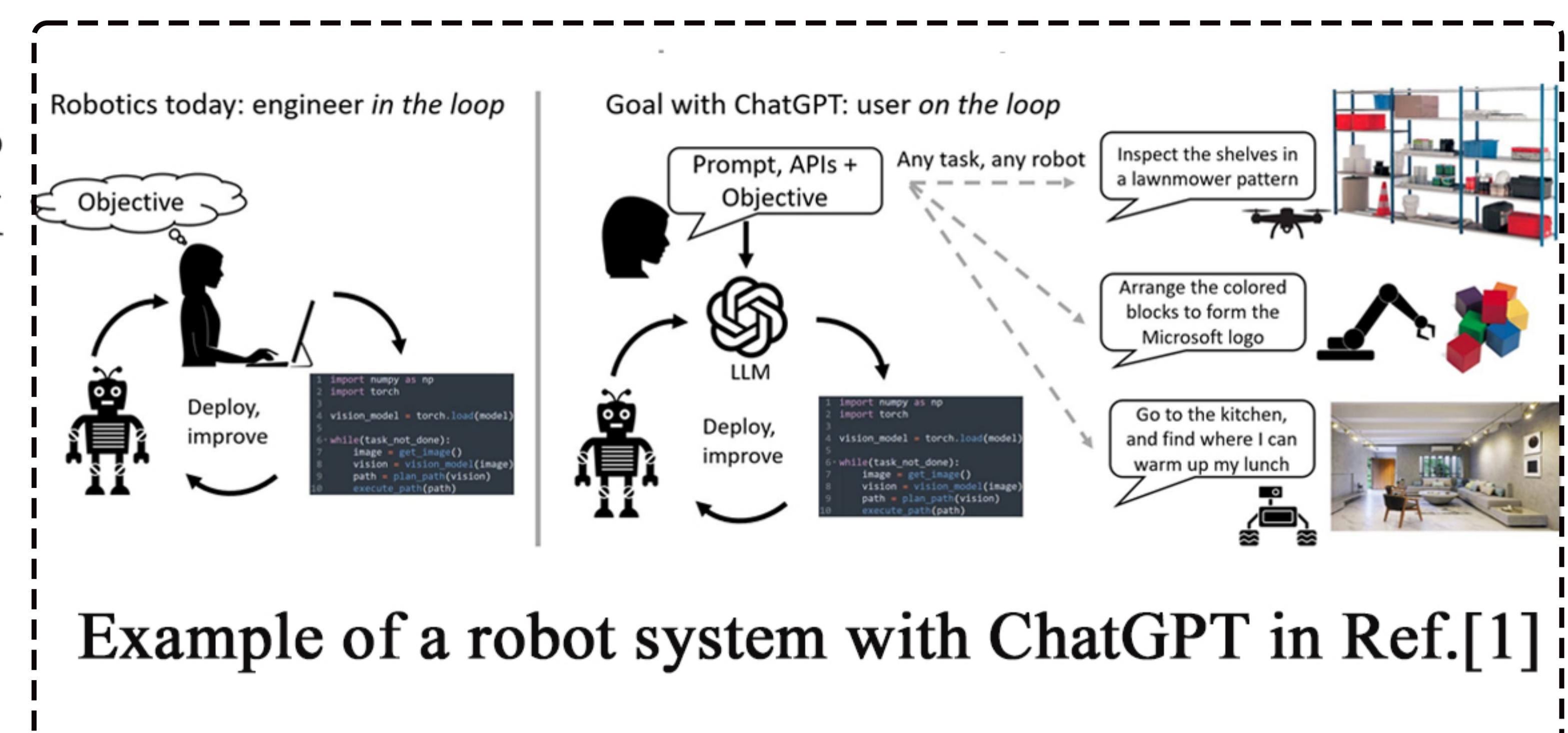
# Robot Behavior Planning And Execution Based On LLM

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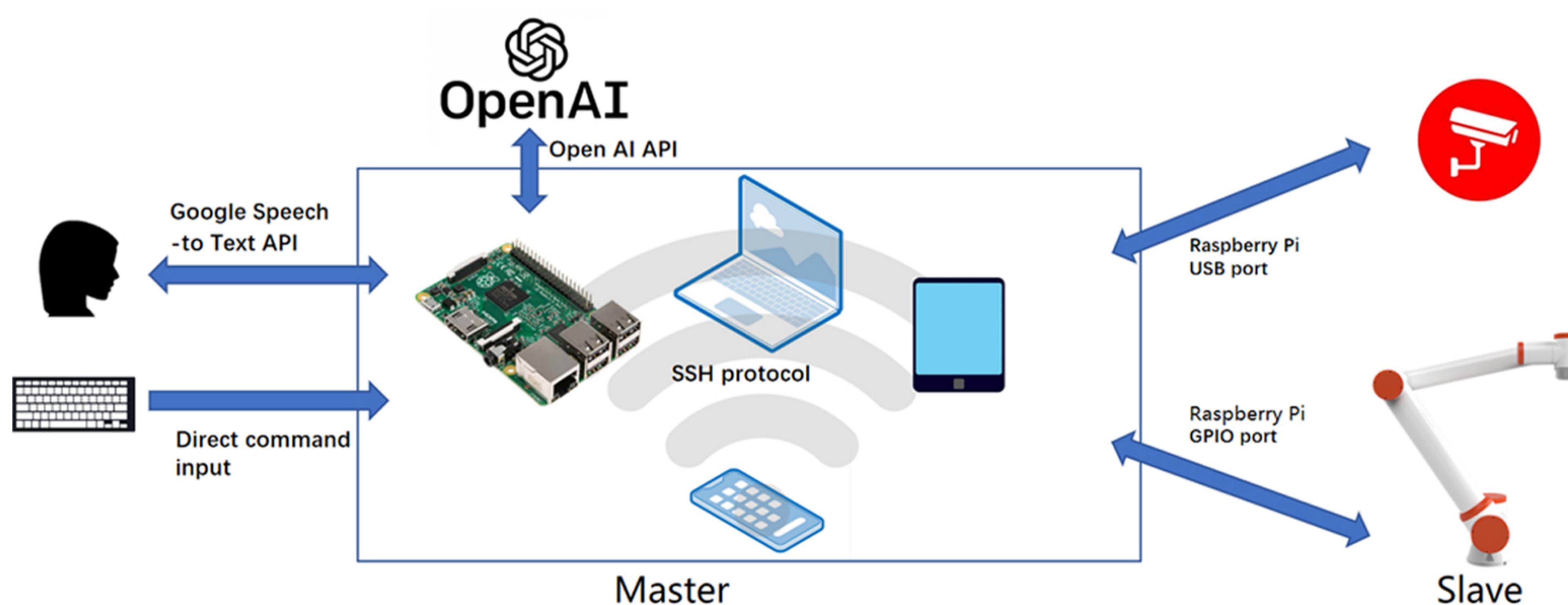
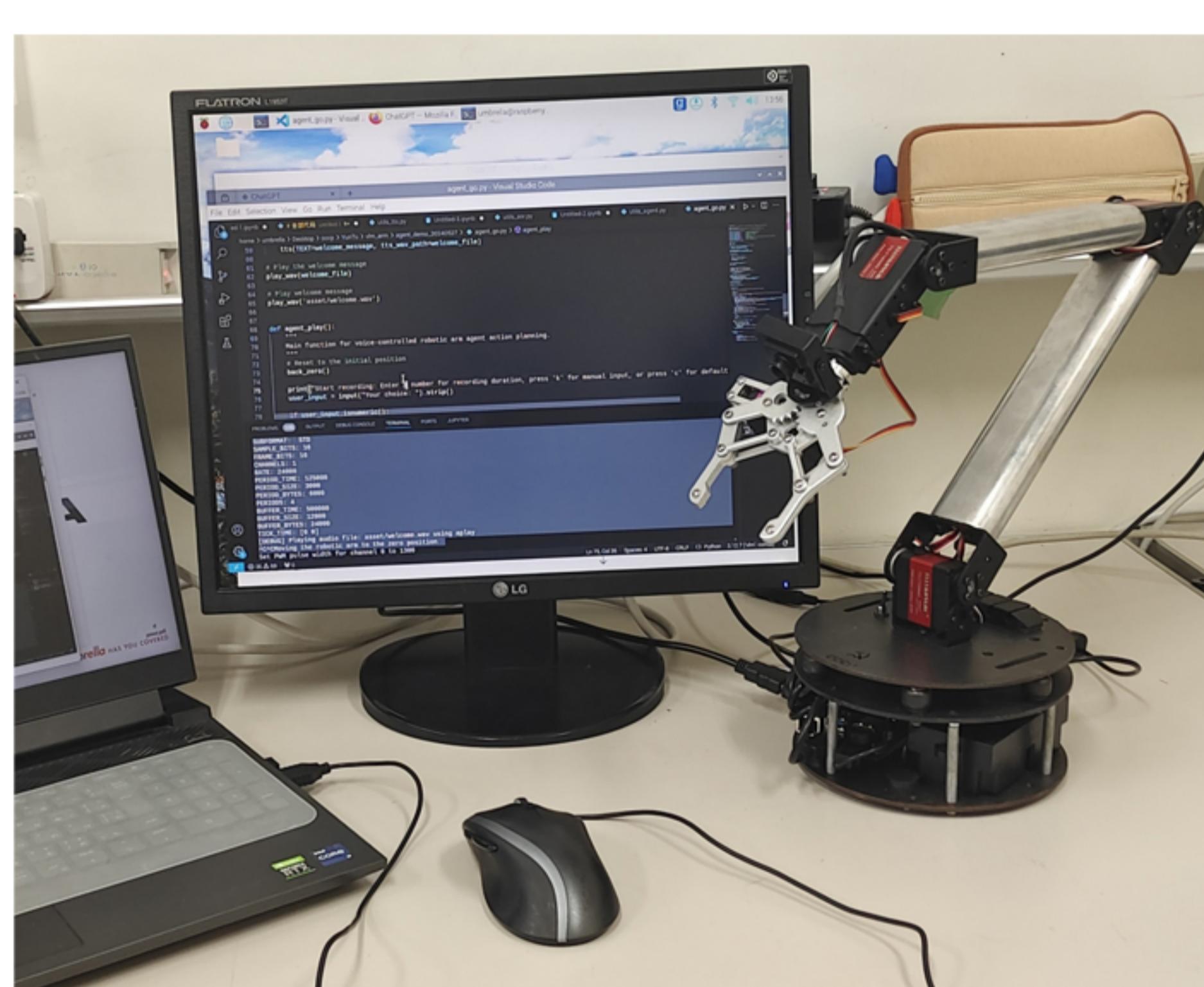
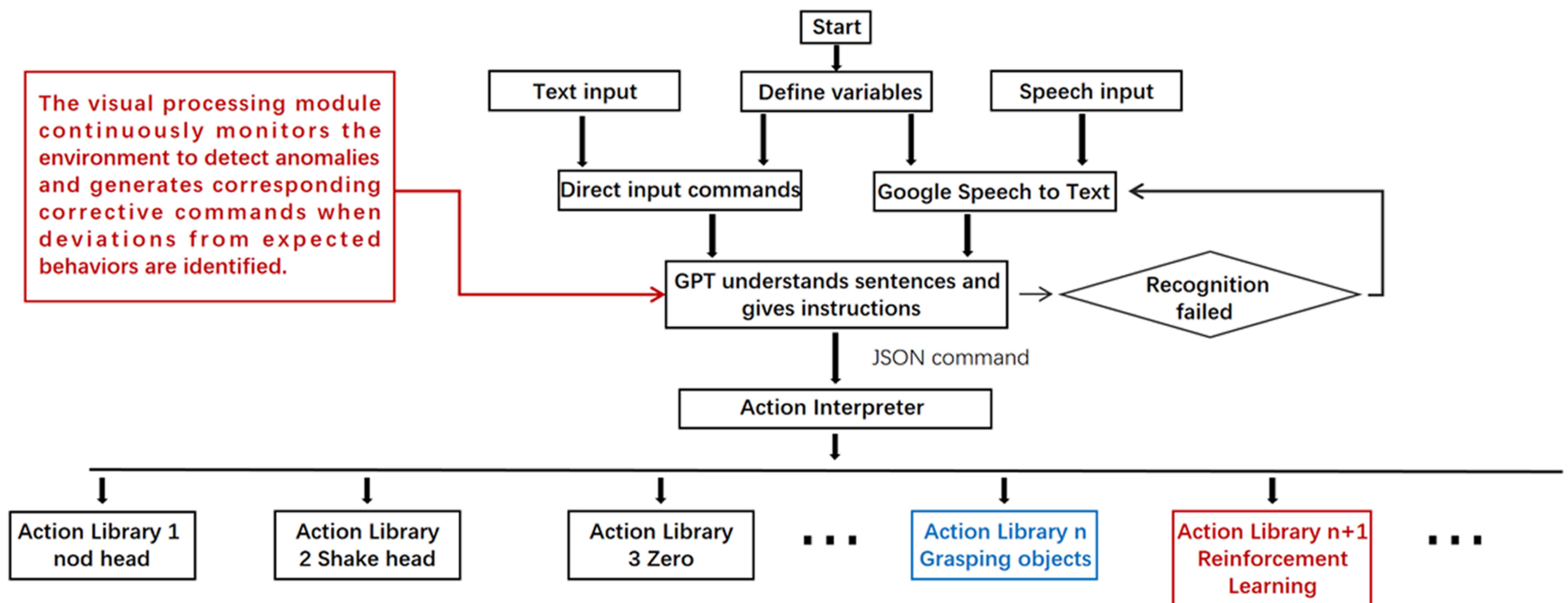
## Background

Multi-modal robot control system to integrate text, speech, and visual inputs for human-robot interaction and task execution[1].

- A GPT-based command parsing module
- A modular action library
- A visual processing module



## Our proposed robot systems with LLM



## Future Research Plan



To integrate reinforcement learning (RL) into the existing system[2] so as to enhance the robot's adaptability in complex environments and improve its task execution efficiency and flexibility.