

Voice-activated personal assistant

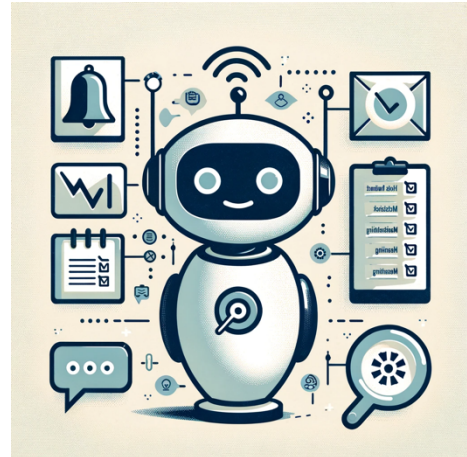
Introduction

Voice-activated assistants are changing how we use our devices. They let us send messages or set alarms without typing or tapping. This project is about making a voice-activated assistant. Its job can be to help people organize their day, remember things, summarize meetings, and much more.

Goals

Possible goals include:

- **Task Management:** Build an assistant that helps users keep track of their tasks and plan their day.
- **Reminders and Alerts:** Make the assistant able to set reminders and alerts so users don't forget important things.
- **Meeting Summarization:** Teach the assistant to listen to meetings, record them, and then tell the user the main points.
- **Understanding Speech:** Use technology that turns spoken words into written text.
- **Understanding Requests:** Use tools to help the assistant understand what users are requesting.
- **Smart Responses:** Have the assistant use AI to give helpful answers and do what the user asks.



Methods and materials

- **Prompt Engineering:** The art of crafting effective prompts to elicit desired responses from LLMs.
- **Retrieval-Augmented Generation:** Enhancing LLMs with the ability to retrieve and incorporate external information.
- **LLM-Powered Software Systems:** Building robust software systems underpinned by LLM technology.
- **Speech Recognition:** Use tools that can recognize and understand spoken words.
- **Large Language Models (LLMs) and Natural Language Processing (NLP):** Use LLMs and NLP to help the assistant get what users mean when they speak.

- **Answering Engine:** Use LLMs to make the assistant able to come up with good answers and actions.
- **Putting It All Together:** Make sure all these parts work well together in the app, and that the app is easy for people to use.