



VOICE CONTROLLED CONTACT MANAGER

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Objective

Create a voice-controlled contact management system using AI algorithms and GUI tools.

Core Functionalities

- Add, Search, Edit, Delete, and Sort contacts through voice commands.
- Provide real-time feedback using speech synthesis.
- Manual interaction via a graphical user interface.

Technologies

Python, speech_recognition, pyttsx3, tkinter, threading.

AI Algorithms Used

- **Speech Recognition:** Converts voice to text using HMM and DNNs (Tool: speech_recognition).
- **Text-to-Speech:** Generates speech using Concatenative Synthesis (Tool: pyttsx3).
- **Sorting:** Uses Timsort to sort contacts alphabetically.

Results

- Seamless, accurate contact management via voice AI.
- Real-time feedback with speech and text display.

Benefits

- Accessibility: Ideal for users with disabilities or those preferring hands-free systems.
- Efficiency: Reduces manual effort.
- User-Friendly: Combines advanced AI with a simple, interactive GUI.

**THANK
YOU**

