AI JARVIS VOICE ASSISTANT

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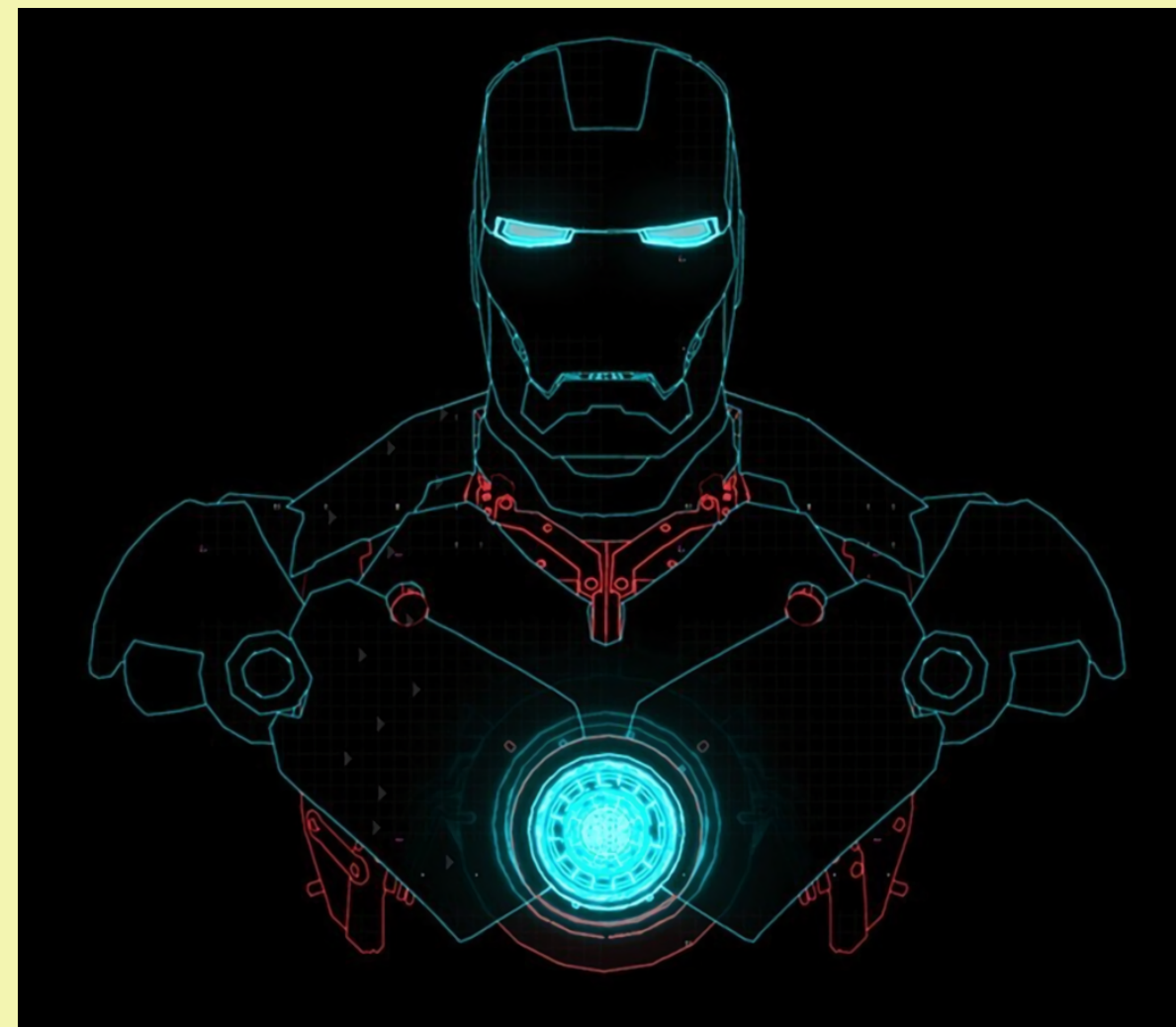
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INTRODUCTION

- Voice assistant takes verbal command as input and do operations as commanded.

- This voice assistant is written in python using 3-tier approach, various API calls in backend, system design which connect this backend to UI & beautiful frontend scientific UI.

PROBLEM STATEMENT

- We require so many tasks to be done on day to day basis.
- The tasks that can be done on internet, we can integrate that with voice assistant.

OBJECTIVE

- Design a voice assistant with required functionality.

- Use simpler voice command instead of using complex command.

- UI should be more interactive.

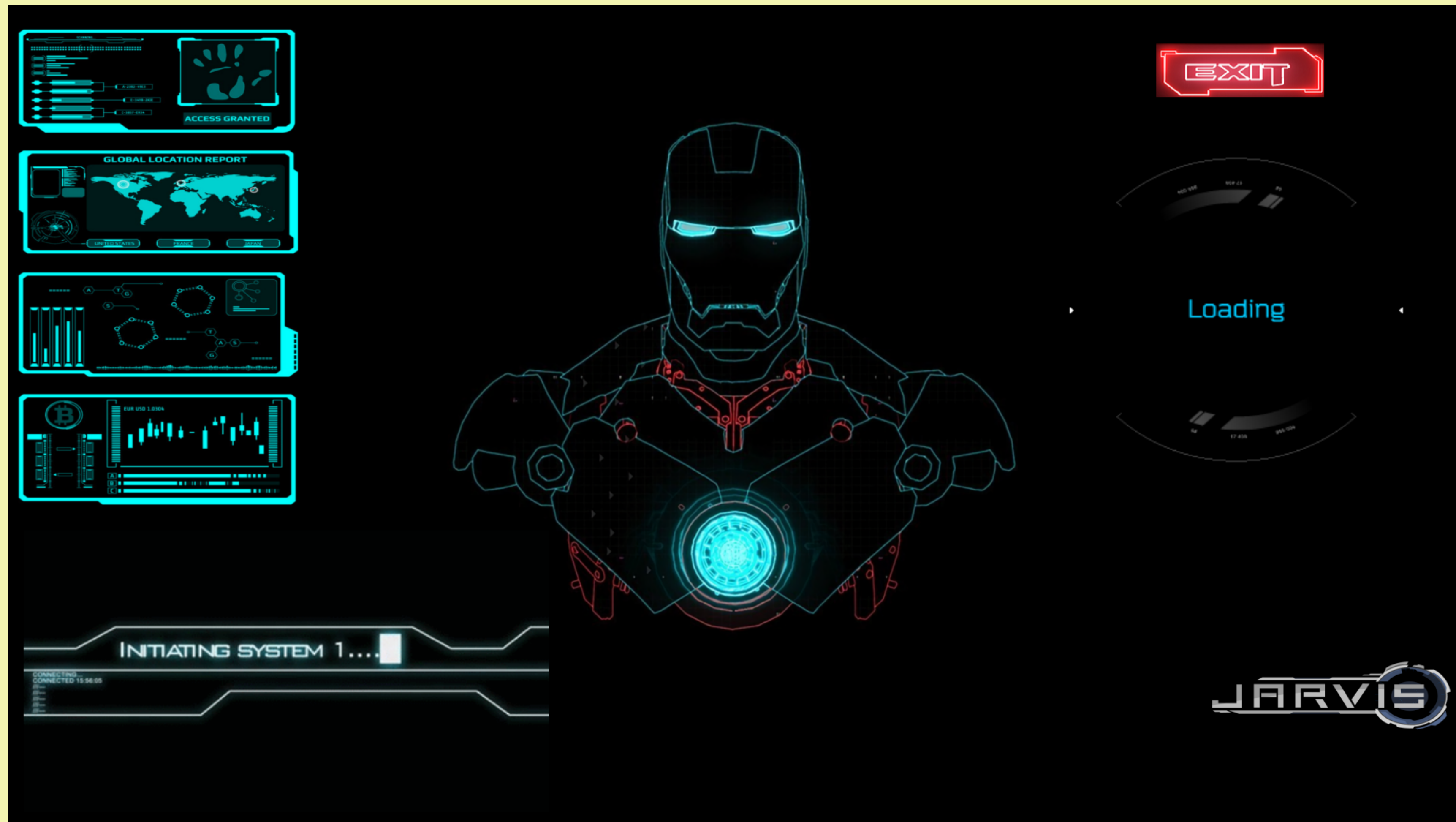- Assistant processing time should be less.

IMPLEMENTATION DETAILS

- Process the data as per the input voice command.

- Google speech recognition API and Google text to speech for voice input and output.

- Play sound Package is used to play the saved mp3 sound.

- Send the command response on UI frontend.

- Frontend was designed using PyQt5 module & rest of backend using various python libraries.

FUNCTIONALITY

- Manage basic tasks such as sending e-mail, to-do lists.

- Open/close system applications.

- Browse the sites & web apps.

- Play songs & music.

- Google the queries.

SCREENSHOT

CONCLUSION

- We designed the assistant having the beautiful UI.

- This assistant is having functionality of basic utility.

- The work for designing the whole assistant had done in python language.

THANK YOU