Project Proposal for CSE 352

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Tentative Title of proposed Project Proposal:

Personal Assistant-Jarvis

Abstract	A personal virtual assistant is a programmed application that recognizes human language and commands which then result in the program performing tasks. In this project, a personal virtual assistant called **Jarvis** will able to do Weather forecasting, Launch Windows Applications, Open Websites, tells user date and time, greetings, news, etc. Jarvis will automate the computer tasks of a user.

General Description of the Project (100 to 200 words)

The rise of automation and improved accessibility to data has resulted in the birth of the personal digital assistant market, popularly represented by Apple's Siri, Microsoft's Cortana, Google's Google Assistant, and Amazon's Alexa. In our Project, Jarvis is a personal assistant that users can use to complete their tasks with voice commands. We will use python and several packages of python to build the system. As a personal assistant, Jarvis assists the user with day-to-day activities like a general human conversation, searching queries in google, bing, or any web browser, searching for videos, images, live weather conditions, word meanings, searching for medicine details, and some more things.

Requirements to complete the Project:

1. Language: Python (version 3.8)
2. Python Packages: Speech Recognition Package, Text to Speech Package, Audio Playback Package, and many more packages we are going to use.
3. Tools: Visual Studio code, Google Colab.