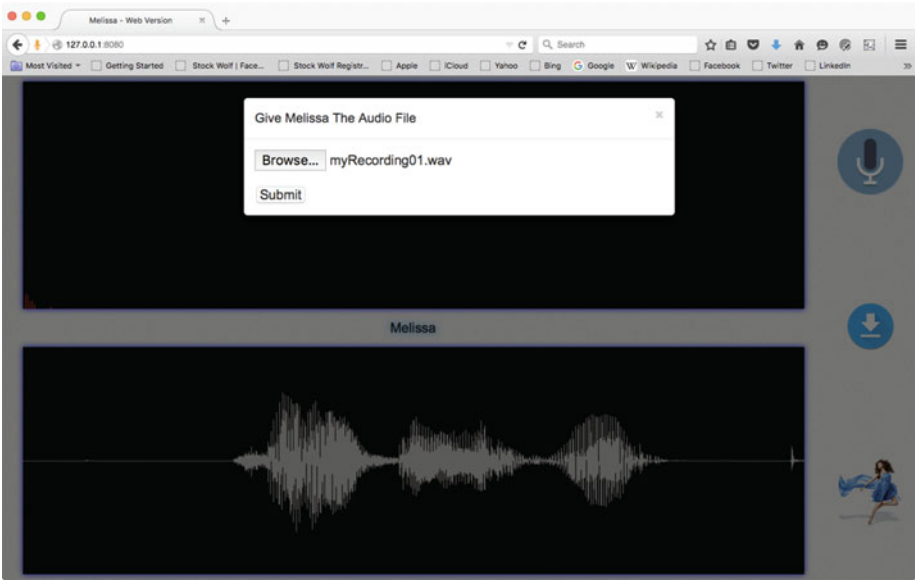

Figure 8-4. *Uploading the audio file to the server*

Great—you have successfully created Melissa's easy-to-use web user interface! You have applied existing libraries and your knowledge of Python to develop this system.

Exercises

This web interface needs some functionality to accept input in the form of text. The option of submitting input from a text field can be incorporated in the modal dialog.

The current workflow for Melissa's front end requires too many clicks. This many clicks for a single command may be frustrating for a user. Your exercise is to devise a new workflow that requires fewer clicks and hence is more user friendly.

Summary

In this chapter, you developed a web interface for your virtual assistant software, Melissa. You learned to use a third-party JavaScript library for recording a voice using a web browser. You wrote the back-end code using Python's `web.py` module and learned to work using WAV files. Finally, you wrote the front-end code in HTML and integrated all the pieces of code together to create a working web-based interface for Melissa.

In the next chapter, you get Raspberry Pi running and integrate your software to work in its operating system, Raspbian. You also see how this proof-of-concept software can be scaled to make a full-fledged assistant. The chapter goes through the various enhancements you can make to make Melissa and various sample use cases for the virtual assistant.