

EVALUATION OF SOME TEXT TO SPEECH CONVERTERS, VOICE CHANGERS, VIDEO EDITORS, ANIMATORS AND LIVE STREAMERS



BY

DR HIDAIA MAHMOOD ALASSOULI

Evaluation of Some Text to Speech Converters, Voice Changers, Video Editors, Animators, Speaking Avatar Makers and Live Streamers

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Dr. Hidaia Mahmood Alassouli

Hidaia_lassouli@hotmail.com

1-Overview:

As videos are so much important today, I believe that everyone must have some knowledge on creating and editing videos for the common tasks required by his personal or business use.

This book has mainly an objective to evaluate some text to speech converters, voice changers, video editors, cartoon animators and video recording and live streaming programs.

As I am Arabic, I gave special importance to look for the best tools that can convert Arabic text to voice with good quality because of the lack of these tools. And I also gave special importance to look for the best tools that can change the voice tune as a lot of people don't like to make videos with their voice for special reasons. Then I gave quick guide on how to use the two important video editors, VSDC Free Video Editor and Camtasia Studio. Then I gave quick guide on how to use two websites that enable people to create cartoon animation videos in a simple way, <https://www.animaker.com/> website and <https://www.powtoon.com> website. Then I gave quick guide on how to use one of the best animator programs, which is Reallusion Cartoon Animator 4. I explained also how it is possible to make face mockup through Cartoon Animator 4 Motion Live 2D Plugin. Then I introduced Adobe Character Animator as alternative program to make face mockup. Finally I explained about one of the video recording and live streaming programs, which is OBS Studio. I mentioned briefly how to setup OBS studio to create livestream video on Youtube and Facebook. At the end, I showed how to use Voki website to create **customizable speaking avatars**

This work is divided to the following sections.

1. Some tools to reshape the Arabic letters so they can be converted to voice in other tools.
2. Some tools to convert English text to speech TTS.
3. Some tools to convert Arabic text to speech TTS.
4. Evaluation of some voice changers
5. Creating video of audio file with list of images (slideshow) using VSDC Free Video Editor.
6. Screen capture using VSDC Free Video Editor.
7. Video capture using VSDC Free Video Editor.
8. Using <https://www.animaker.com/> website to create simple cartoon animation video.
9. Using <https://www.powtoon.com> website to create animation video.
10. Using Camtasia Studio Video Editor
11. Using Camtasia Studio Recorder
12. Using Reallusion Cartoon Animator 4:

13. Making Face Mockup on Cartoon Animator 4 through Motion Live 2D Plugin
14. Introduction to Adobe Character Animator
15. Setting OBS Studio for live stream:
16. Creating live stream video on Youtube with OBS studio:
17. Creating Live stream video on Facebook with OBS studio:
18. Using Voki website <https://www.voki.com/> to create customizable speaking avatars.

2-Some tools to reshape the Arabic letters so they can be converted to voice in other tools:

1-You can use Mishkal tool to reshape the Arabic letters so they can be converted to voice in other tools. I downloaded mishkal-Desktop-Win-0.1.4.zip. You can get it from

<https://netix.dl.sourceforge.net/project/mishkal/mishkal-Desktop-Win-0.1.4.zip>

I used the tool to reshape the following words

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ . اِسْتَرْكَ فِي الْقَنَاهِ بِالضَّغَطِ عَلٰی زَرْ الْجَرْسِ . حَوْلَ تَنَافُسِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ الْمَرْحُومِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . بِدَآیَةِ اِنَا . مُجْرَدٌ . كَاتِبُهُ . وَلَسْتُ یُوْتِیْبِرِزِ . . لَكِنَّ صَوْتِ الْكَاتِبِ بِرَاِیِ . اقْوٰی . تَغْیِیْرًا . مِنْ . صَوْتِ الْیُوْتِیْبِرِزِ . . وَاحْبَبْتُ هُنَا . اِن . اِسْلَطَ الصَّوْءُ . عَنْ . بَعْضٍ . مَلَاحِظَتِی . حَوْلَ سُلُوْكِیَاتِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . ، الْجَانِبِ الْاِیْجَابِی . وَالْجَانِبِ السَّلْبِیِّ مِنْهَا . ۞

I got the following

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ . اِسْتَرْكَ فِي الْقَنَاهِ بِالضَّغَطِ عَلٰی زَرْ الْجَرْسِ . . حَوْلَ تَنَافُسِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ الْمَرْحُومِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . . بِدَآیَةِ اِنَا . مُجْرَدٌ . كَاتِبُهُ . وَلَسْتُ یُوْتِیْبِرِزِ . . لَكِنَّ صَوْتِ الْكَاتِبِ بِرَاِیِ . اقْوٰی . تَغْیِیْرًا . مِنْ . صَوْتِ الْیُوْتِیْبِرِزِ . . وَاحْبَبْتُ هُنَا . اِن . اِسْلَطَ الصَّوْءُ . عَنْ . بَعْضٍ . مَلَاحِظَتِی . حَوْلَ سُلُوْكِیَاتِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . ، الْجَانِبِ الْاِیْجَابِی . وَالْجَانِبِ السَّلْبِیِّ مِنْهَا . ۞

2- You can use the online website <http://www.tahadz.com/mishkal>

I used the online website to reshape the previous words. I got the following:

“بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ . اِسْتَرْكَ فِي الْقَنَاهِ بِالضَّغَطِ عَلٰی زَرْ الْجَرْسِ . . حَوْلَ تَنَافُسِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ الْمَرْحُومِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . . بِدَآیَةِ اِنَا . مُجْرَدٌ . كَاتِبُهُ . وَلَسْتُ یُوْتِیْبِرِزِ . . لَكِنَّ صَوْتِ الْكَاتِبِ بِرَاِیِ . اقْوٰی . تَغْیِیْرًا . مِنْ . صَوْتِ الْیُوْتِیْبِرِزِ . . وَاحْبَبْتُ هُنَا . اِن . اِسْلَطَ الصَّوْءُ . عَنْ . بَعْضٍ . مَلَاحِظَتِی . حَوْلَ سُلُوْكِیَاتِ الْیُوْتِیْبِرِزِ . فِي قَضِیْهِ مُحَمَّدِ . مُوسٰی . بِحَادِثِ فِیْلَا . الْقَنَآةِ نَاسِی . عَجْرَم . ، الْجَانِبِ الْاِیْجَابِی . وَالْجَانِبِ السَّلْبِیِّ مِنْهَا .”

3- You can use the online website <https://learning.aljazeera.net/>

Go to the online tool to reshape Arabic letters:
<https://learning.aljazeera.net/en/siteinstructions/pages/0d112445-3dad-4f8c-9518-3a4c8be95f75>

I used the online website to reshape the previous words. I got the following:

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ . اسْتَرْك فِي الْقَنَاءِ بِالصَّنْغِ عَلَى زَرْ أَلْجَرَسِ . حَوْلَ تَنَافُسِ الْيُوتِيُورِزِ فِي قَضِيَّةِ الْمَرْحُومِ مُحَمَّدِ مُوسَى بِحَادِثِ فَيْلَا الْفَنَائَةِ نَائِسِي عَجْرَمَ . بِدَائِيَّةِ أَنَا مُجْرَدِ كَاتِبِيهِ وَلَسْتُ يُوْتِيُورِزِ . لَكِنَّ صَوْتِ الْكَاتِبِ بِرَائِي أَقْوَى تَحْيِيرًا مِنْ صَوْتِ الْيُوتِيُورِزِ . وَأَحْبَبْتُ هُنَا أَنْ أَسْلُطَ الصَّوْءَ عَنْ بَعْضِ مُمَاحِظَتِي حَوْلَ سُلُوكِيَّاتِ الْيُوتِيُورِزِ فِي قَضِيَّةِ مُحَمَّدِ مُوسَى بِحَادِثِ فَيْلَا الْفَنَائَةِ نَائِسِي عَجْرَمَ . الْجَانِبُ الْإِجَابِي وَالْجَانِبُ السَّلْبِي مِنْهَا" . ۞

4- You can use the online website <http://www.ali-soft.com/portal/index.php#tab/1>

I used the online website to reshape the previous words. I got the following:

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ . اسْتَرْك فِي الْقَنَاءِ بِالصَّنْغِ عَلَى زَرْ أَلْجَرَسِ . حَوْلَ تَنَافُسِ الْيُوتِيُورِزِ فِي قَضِيَّةِ الْمَرْحُومِ مُحَمَّدِ مُوسَى بِحَادِثِ فَيْلَا الْفَنَائَةِ نَائِسِي عَجْرَمَ . بِدَائِيَّةِ أَنَا مُجْرَدِ كَاتِبِيهِ وَلَسْتُ يُوْتِيُورِزِ . لَكِنَّ صَوْتِ الْكَاتِبِ بِرَائِي أَقْوَى تَحْيِيرًا مِنْ صَوْتِ الْيُوتِيُورِزِ . وَأَحْبَبْتُ هُنَا أَنْ أَسْلُطَ الصَّوْءَ عَنْ بَعْضِ مُمَاحِظَتِي حَوْلَ سُلُوكِيَّاتِ الْيُوتِيُورِزِ فِي قَضِيَّةِ مُحَمَّدِ مُوسَى بِحَادِثِ فَيْلَا الْفَنَائَةِ نَائِسِي عَجْرَمَ . الْجَانِبُ الْإِجَابِي وَالْجَانِبُ السَّلْبِي مِنْهَا" . ۞

3-Some tools to convert English text to speech

TTS:

Converting English text to speech is easy. There are many tools and websites to convert English to Text. Some of them

1- <https://www.zamzar.com/>

Very easy to be used and it is totally free. But it does not give you many voice options.

2- <https://www.naturalreaders.com/>

It supports some languages. Arabic is not one of them. You can select among many voice options. But downloading audio file is not free. You need to upgrade to Premium Plan to use this feature with Premium Voices. You can record the voice instead.

3- <http://www.fromtexttospeech.com>

You can select among many voice options. The download of audio file is free.

5. TextAloud

You can select among many voice options. It supports English only. You can download program from

<https://nextup.com/download.html>

<https://nextupdownloads.s3.amazonaws.com/ta4044.exe>