

# Demonstration

Open source applications & samples using Python

Venkatarangan Thirumalai

About: [tncv.me](http://tncv.me)

email: [venkatarangan@hotmail.com](mailto:venkatarangan@hotmail.com)

## New Features in Microsoft Office & Windows



POWERPOINT –  
DESIGN THEMES



WORD –  
TRANSLATE,  
GRAMMAR



EXCEL – DATA FROM  
FACEBOOK



WSL



VIDEO EDITING IN  
WINDOWS 10

Subscribe to Office 365 Update channel:

<https://www.youtube.com/watch?v=skj6bb3tJW8>

PowerPoint: Design Ideas:

<https://support.office.com/en-us/article/create-professional-slide-layouts-with-powerpoint-designer-53c77d7b-dc40-45c2-b684-81415eac0617>

Windows Subsystem for Linux: <https://devblogs.microsoft.com/commandline/learn-about-windows-console-and-windows-subsystem-for-linux-wsl/>

Word Translate: <https://venkatarangan.com/blog/2019/09/a-quick-tamil-dictionary-in-microsoft-word-2019/>

# Windows Batch Files

**[A Windows batch file to do a simple backup of a WordPress site](https://venkatarangan.com/blog/2019/09/a-windows-batch-file-to-do-a-simple-backup-of-a-wordpress-site/)**

<https://venkatarangan.com/blog/2019/09/a-windows-batch-file-to-do-a-simple-backup-of-a-wordpress-site/>

## Voice Typing on a PC



On a PC, how to voice type in Tamil:

<https://venkatarangan.com/blog/2019/06/how-to-google-voice-type-in-tamil-on-a-pc/>

## Open Source OCR

- Tesseract – the 3 steps

Making an Ebook PDF with Tamil text searchable and a free Tamil-Tamil-Dictionary  
<https://venkatarangan.com/blog/2019/09/making-an-ebook-pdf-with-tamil-text-searchable-and-a-free-tamil-tamil-dictionary/>

## Low cost custom scan box



[github.com/KaniyamFoundation/ProjectIdeas/issues/73](https://github.com/KaniyamFoundation/ProjectIdeas/issues/73)

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Chocolatey

<https://chocolatey.org/>



Thonny

**Thonny**

Python IDE for beginners

<https://thonny.org/>



# Jupyter Notebook

The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and narrative text.

<https://jupyter.org/install.html>

# Visual Studio Code

<https://code.visualstudio.com/>

# Python – Tamil strings handling

A python package for Unicode aware string handling including Tamil:

<https://github.com/alvinlindstam/grapheme>

Open-Tamil Package for Python:

<https://pypi.org/project/Open-Tamil/>

# Python – Text 2 Speech

<https://venkatarangan.com/blog/2019/08/python-code-snippets-for-speech-in-tamil/>

# Python – Speech 2 Text

<https://venkatarangan.com/blog/2019/08/python-code-snippets-for-speech-in-tamil/>

# Python – Vision & Translate

<https://venkatarangan.com/blog/2019/09/python-and-google-cloud-vision-for-tamil-text/>

Thank You!

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