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hed in Python in Plain English

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han Tanvir

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10 Python Libraries You Should Use in Your Project

your Python development

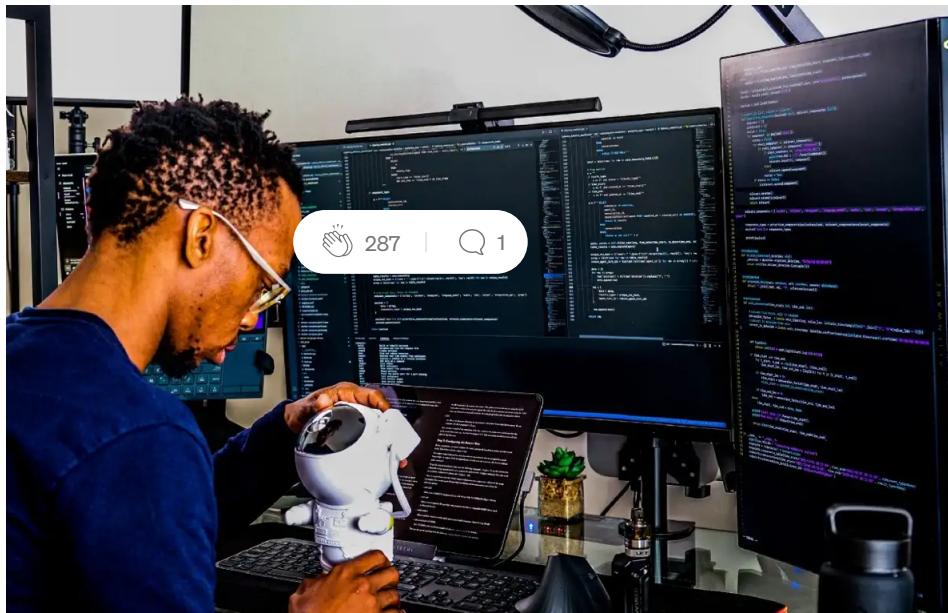


Photo by [Boitumelo Phetla](#) on [Unsplash](#)

proverb “You don’t have to reinvent the wheel”. Libraries are the example of that. It helps you to write complex and time-consuming functionality in an easy way. According to me, a good project uses some of the libraries available

Python needs any introduction. It is one of the most used



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ning languages for almost every purpose. Here I have compiled 7 hon libraries that will help you in your development journey.

```
-bash
-m rich
      Rich features

rs   ✓ 4-bit color
    ✓ 8-bit color
    ✓ Truecolor (16.7 million)
    ✓ Dumb terminals
    ✓ Automatic color conversion 
es   All ansi styles: bold, dim, italic, underline, strikethrough, reverse, and even blink.
t    Word wrap text. Justify left, center, right or full.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque in metus sed sapien ultricies pretium a at justo. Maecenas luctus velit et auctor maximus. et auctor maximus.

n  🇨🇳 该库支持中文, 日文和韩文文本!
age  🇯🇵 ライブライリは中国語、日本語、韓国語のテキストをサポートしています
rt   🇰🇷 이 라이브러리는 중국어, 일본어 및 한국어 텍스트를 지원합니다
up   Rich supports a simple bbcode like markup for color, style, and emoji! 👍🍎👉👩‍💻📝📝
es   Date          Title           Production Budget     Box Office
Dec 20, 2019  Star Wars: The Rise of Skywalker   $275,000,000   $375,126,118
May 25, 2018   Solo: A Star Wars Story        $275,000,000   $393,151,347
Dec 15, 2017  Star Wars Ep. VIII: The Last Jedi   $262,000,000   $1,332,539,889
May 19, 1999  Star Wars Ep. I: The phantom Menace   $115,000,000   $1,027,044,677

ax
nting
ty
ing
own
e!  # Markdown
      Markdown
Supports much of the *markdown*, __syntax__!
- Headers
- Basic formatting: **bold**, *italic*, `code`  

- Block quotes
- Lists, and more...

```

Supports much of the `markdown`, `syntax`!

- Headers
- Basic formatting: `bold`, `italic`, `code`
- Block quotes
- Lists, and more...

Progress bars, columns, styled logging handler, tracebacks, etc...

e of the most-starred python libraries with more than 40k stars on his is a library for writing rich text (with color and style) to the and for displaying advanced content such as tables, markdown, x-highlighted code. It will make your command line applications appealing and present data in a more readable way. it can also be a

Debugging aid by pretty printing and syntax highlighting data

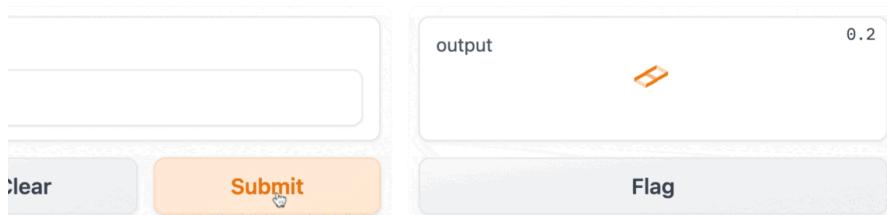
).

Textualize/rich: Rich is a Python library for rich text and formatting in the...

readme * 简体中文 readme * 正體中文 readme * Lengua
readme * Deutsche readme * Läs på svenska * 日本語



)

A screenshot of a Gradio-based application. It features a text input field labeled 'output' with a placeholder 'Type something...'. Below it is a slider set to '0.2'. At the bottom left is a 'Clear' button, and at the bottom center is an orange 'Submit' button with a hand cursor icon. To the right of the 'Submit' button is a 'Flag' button.

built with gradio 🎉

ry will help you to build machine learning and data science demos applications. With this library, you can quickly create a beautiful face around your machine learning models or data science and let people “try it out” by dragging and dropping in their own asting text, recording their own voice, and interacting with your through the browser. It has more than 10.5k stars on GitHub.

gradio-app/gradio: Create UIs for your machine learning Python in 3 minutes

an open-source Python library that is used to build learning and data science demos and web...

-app/gradio

our machine learning model in minutes

240 Issues 139 Discussions 11k Stars

lf



working with video processing then this is a good resource for you. It provides you to perform Complex Video Processing Tasks in just a few lines of code. This is a highly extensible, Multi-Threaded + Asyncio API built on top of many state-of-the-art specialized libraries like OpenCV, zeromq, picamera, starlette, yt_dlp, pyscreenshot, aiortc and python-mss. It has more than 2.5k stars on GitHub.

abhiTronix/vidgear: A High-performance cross-platform video processing Python framework...

It is a High-Performance Video Processing Python Library which provides an easy-to-use, highly extensible...



eug

```
zeug.wrappers import Request, Response

application
ation(request):
    Response('Hello, World!')

__ == '__main__':
verzeug.serving import run_simple
imple('localhost', 4000, application)
```

If you want to create a WSGI web application then this is a good resource for you. It provides various utilities for creating advanced WSGI applications. It includes lots of features like an interactive debugger that allows inspecting frames and source code in the browser with an interactive interpreter. It also includes a frame in the stack, a full-featured request object with objects to handle headers, query args, form data, files, and cookies, a response object that can wrap other WSGI applications and handle streaming data,

more. It has more than 6k stars on GitHub.

pallets/werkzeug: The comprehensive WSGI web library.

| German noun: "tool". Etymology: werk ("work"), zeug /werkzeug is a comprehensive WSGI web application...

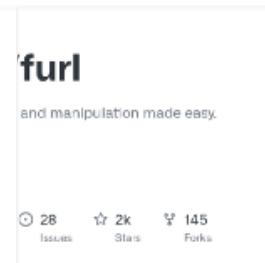


```
url import furl
r('http://www.google.com/?one=1&two=2')
path'
args['one']
['three'] = '3'
v.google.com/path?two=2&three=3'
```

library that makes parsing and manipulating URLs easy. Python's urllib and urlparse modules provide a number of URL-related functions, but using these functions to perform common URL operations proves tedious. It will help in those situations. This library has 12.4k stars on GitHub.

gruns/furl: URL parsing and manipulation made easy.

standard urllib and urlparse modules provide a number of useful functions, but using these functions to...



gents

```

agents import parse

user agent string
- 'Mozilla/5.0 (iPhone; CPU iPhone OS 5_1 like Mac OS X) AppleWebKit/534.46 (KHTML, like (
= parse(ua_string)

user agent's browser attributes
browser # returns Browser(family=u'Mobile Safari', version=(5, 1), version_string='5.1')
browser.family # returns 'Mobile Safari'
browser.version # returns (5, 1)
browser.version_string # returns '5.1'

user agent's operating system properties
os # returns OperatingSystem(family=u'iOS', version=(5, 1), version_string='5.1')
os.family # returns 'iOS'
os.version # returns (5, 1)
os.version_string # returns '5.1'

user agent's device properties
device # returns Device(family=u'iPhone', brand=u'Apple', model=u'iPhone')
device.family # returns 'iPhone'
device.brand # returns 'Apple'
device.model # returns 'iPhone'

pretty string version
agent) # returns "iPhone / iOS 5.1 / Mobile Safari 5.1"

```

As you can see from the code above, we've guessed by the name, this library provides an easy way to detect devices like mobile phones, tablets, and their capabilities by parsing browser/HTTP user agent strings. It has more than 1k stars on GitHub.

[selwin/python-user-agents: A Python library that provides an easy way to identify devices...](#)

library that provides an easy way to identify devices like phones, tablets and their capabilities by...

[/python-user-agents](#)

that provides an easy way to identify mobile phones, tablets and their parsing...

Used by 5k Stars 1k Forks 197

Use

```

sqlparse

: a string containing two SQL statements:
select * from foo; select * from bar;
ents = sqlparse.split(raw)
ents
from foo;', 'select * from bar;']

at the first statement and print it out:
statements[0]
sqlparse.format(first, reindent=True, keyword_case='upper'))


ng a SQL statement:
= sqlparse.parse('select * from foo')[0]
tokens
ect' at 0x7f22c5e15368>, <Whitespace ' ' at 0x7f22c5e153b0>, <Wildcard '*' ... ]
```

Most of the developers used SQL to manipulate the database. As the suggests this is a non-validating SQL parser for Python. It provides or parsing, splitting, and formatting SQL statements. It has more stars on GitHub.

[andialbrecht/sqlparse: A non-validating SQL parser for Python](#)

is a non-validating SQL parser for Python. It provides or parsing, splitting and formatting SQL...

brecht/
rse

a SQL parser module for Python

201 Issues 3k Stars 613 Forks

Are some other awesome resources?

always new things to learn. If you want to learn more about resources on Python please check out the below link.

[Python Tools To Make Your Life Easier](#)

your Python development

m



• • •

for today. I believe these libraries will help you a lot in your
ent journey.

ow of any other beautiful Python libraries, please share them in the
s. Until we meet again. Cheers!

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them know you appreciate their story.

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