

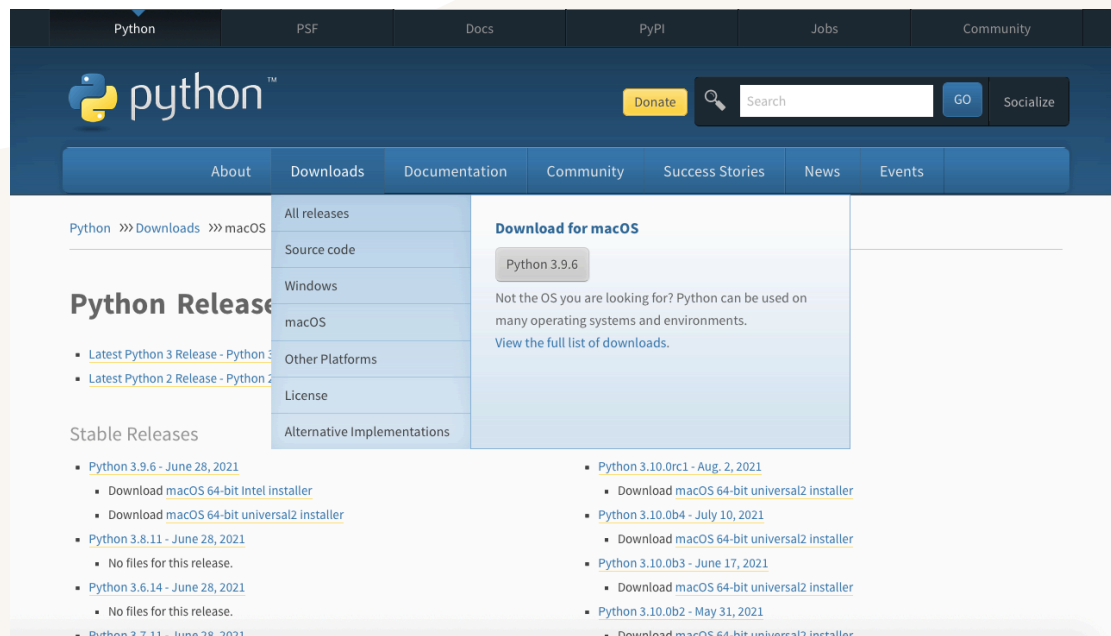


الإسم: بدار عمر باحسن
المسار: ذكاء إصطناعي

4- Use OpenCV to make a real time face detection

١- تحميل Python بنسخة 3.9.6 من الموقع الرسمي من خلال الرابط التالي:

[/https://www.python.org/downloads/macos](https://www.python.org/downloads/macos)



The screenshot shows the Python.org website with the following elements:

- Navigation Bar:** Python, PSF, Docs, PyPI, Jobs, Community.
- Header:** Python logo, Donate button, Search bar, GO button, Socialize button.
- Secondary Navigation:** About, Downloads, Documentation, Community, Success Stories, News, Events.
- Breadcrumbs:** Python » Downloads » macOS.
- Main Content:**
 - Python Release** section with links to Latest Python 3 Release and Latest Python 2 Release.
 - Stable Releases** section with a list of releases: Python 3.9.6 (June 28, 2021), Python 3.8.11 (June 28, 2021), Python 3.6.14 (June 28, 2021), and Python 3.7.11 (June 28, 2021). Each release has a link to download the macOS 64-bit universal2 installer.
 - Download for macOS** section with a button for Python 3.9.6 and a message: "Not the OS you are looking for? Python can be used on many operating systems and environments. View the full list of downloads."
 - Download for Windows** section with a button for Python 3.9.6 and a message: "Not the OS you are looking for? Python can be used on many operating systems and environments. View the full list of downloads."

٢- تنزيل مكتبة OpenCV
وكتابة الأمر `pip install opencv-python`
من خلال موجه الأوامر cmd

```
Command Prompt
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\TOSHIBA>pip install opencv-python
Defaulting to user installation because normal site-packages is not writeable
Collecting opencv-python
  Downloading opencv_python-4.5.3.56-cp39-cp39-win_amd64.whl (34.9 MB)
    | 34.9 MB 1.6 MB/s
Collecting numpy>=1.19.3
  Downloading numpy-1.21.2-cp39-cp39-win_amd64.whl (14.0 MB)
    | 14.0 MB 50 kB/s
Installing collected packages: numpy, opencv-python
  WARNING: The script f2py.exe is installed in 'C:\Users\TOSHIBA\AppData\Roaming\Python\Python39\Scripts' which is not on PATH.
    Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed numpy-1.21.2 opencv-python-4.5.3.56
WARNING: You are using pip version 21.1.3; however, version 21.2.4 is available.
You should consider upgrading via the 'c:\program files\python39\python.exe -m pip install --upgrade pip' command.

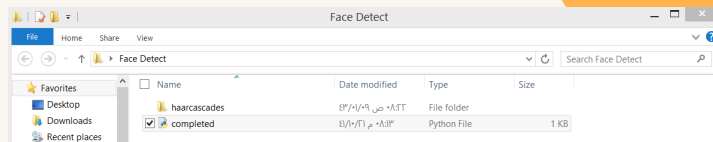
C:\Users\TOSHIBA>
```

٣-تحميل الأكواد من خلال
رابط الدرايف التالي:

<https://drive.google.com/file/d/1pomC9Zw178nxgNOrpemaQfSH8rSVyMBD/view>

Face Detect.zip (عنوان 2)		
الاسم	تاريخ آخر تحديث	حجم الملف
haarcascades	-	-
completed.py	2020/06/13	811 بايت

ع-تشغيل ملف Completed وبعدها سوف يعمل البرنامج بنجاح





Thank you