

## Read Carefully the Following Instructions to Use Application in Fastest Way

This project is implemented by using Python Programming Language. So, you need to download python interpreter in your machine. So, please download the python interpreter at this website <https://www.python.org/> . In addition, you need to have “pip” to install python libraries. Fortunately, PIP is automatically installed with Python Version 3.4+.

## Required Libraries for Face Recognition Based Attendance Project

The following packages are needed to install for running these applications. But, you don't need to install one-by-one manually. The “PIP” supports the installation with requirement file. You can use the following commands to install all packages with one command. You can find requirements.txt file in project folder.

```
pip install -r requirements.txt
```

Package	Version
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aioice	0.9.0
aiortc	1.6.0
albumentations	1.3.1
altair	5.2.0
anyio	4.2.0
appnope	0.1.3
argon2-cffi	23.1.0
argon2-cffi-bindings	21.2.0
arrow	1.3.0
asttokens	2.4.1
async-lru	2.0.4
attrs	23.2.0
av	11.0.0
Babel	2.14.0
beautifulsoup4	4.12.3
bidict	0.22.1
bleach	6.1.0
blinker	1.7.0
cachetools	5.3.2
certifi	2023.11.17
cffi	1.16.0
charset-normalizer	3.3.2
click	8.1.7

coloredlogs	15.0.1
comm	0.2.1
contourpy	1.2.0
cryptography	41.0.7
cycler	0.12.1
Cython	3.0.7
debugpy	1.8.0
decorator	5.1.1
defusedxml	0.7.1
dnspython	2.4.2
easydict	1.11
executing	2.0.1
fastjsonschema	2.19.1
Flask	3.0.0
Flask-SocketIO	5.3.6
flatbuffers	23.5.26
fonttools	4.47.0
fqdn	1.5.1
gitdb	4.0.11
GitPython	3.1.40
google-crc32c	1.5.0
h11	0.14.0
humanfriendly	10.0
idna	3.6
ifaddr	0.2.0
imageio	2.33.1
importlib-metadata	6.11.0
insightface	0.7.3
ipykernel	6.29.0
ipython	8.20.0
ipywidgets	8.1.1
isoduration	20.11.0
itsdangerous	2.1.2
jedi	0.19.1
Jinja2	3.1.2
joblib	1.3.2
json5	0.9.14
jsonpointer	2.4
jsonschema	4.20.0
jsonschema-specifications	2023.12.1
jupyter	1.0.0
jupyter_client	8.6.0
jupyter-console	6.6.3
jupyter_core	5.7.1
jupyter-events	0.9.0
jupyter-lsp	2.2.2
jupyter_server	2.12.5
jupyter_server_terminals	0.5.1

jupyterlab	4.0.10
jupyterlab_pygments	0.3.0
jupyterlab_server	2.25.2
jupyterlab-widgets	3.0.9
kiwisolver	1.4.5
lazy_loader	0.3
markdown-it-py	3.0.0
MarkupSafe	2.1.3
matplotlib	3.8.2
matplotlib-inline	0.1.6
mdurl	0.1.2
mistune	3.0.2
mpmath	1.3.0
nbclient	0.9.0
nbconvert	7.14.2
nbformat	5.9.2
nest-asyncio	1.5.9
networkx	3.2.1
notebook	7.0.6
notebook_shim	0.2.3
numpy	1.26.3
onnx	1.15.0
onnxruntime	1.16.3
opencv-python-headless	4.9.0.80
overrides	7.4.0
packaging	23.2
pandas	2.1.4
pandocfilters	1.5.0
parso	0.8.3
patsy	0.5.6
pexpect	4.9.0
pillow	10.2.0
pip	23.3.2
platformdirs	4.1.0
prettytable	3.9.0
prometheus-client	0.19.0
prompt-toolkit	3.0.43
protobuf	4.25.1
psutil	5.9.7
ptyprocess	0.7.0
pure-eval	0.2.2
pyarrow	14.0.2
pycparser	2.21
pydeck	0.8.1b0
pyee	11.1.0
Pygments	2.17.2
pylibsrt	0.9.1
pyOpenSSL	23.3.0

pyparsing	3.1.1
python-dateutil	2.8.2
python-engineio	4.8.2
python-json-logger	2.0.7
python-socketio	5.11.0
pytz	2023.3.post1
PyYAML	6.0.1
pyzmq	25.1.2
qtconsole	5.5.1
QtPy	2.4.1
qudida	0.0.4
redis	5.0.1
referencing	0.32.1
requests	2.31.0
rfc3339-validator	0.1.4
rfc3986-validator	0.1.1
rich	13.7.0
rpds-py	0.16.2
scikit-image	0.22.0
scikit-learn	1.3.2
scipy	1.11.4
Send2Trash	1.8.2
setuptools	65.5.0
simple-websocket	1.0.0
six	1.16.0
smmap	5.0.1
sniffio	1.3.0
soupsieve	2.5
stack-data	0.6.3
statsmodels	0.14.1
streamlit	1.29.0
streamlit-webrtc	0.47.1
sympy	1.12
tenacity	8.2.3
terminado	0.18.0
threadpoolctl	3.2.0
tifffile	2023.12.9
tinycss2	1.2.1
tk	0.1.0
toml	0.10.2
toolz	0.12.0
tornado	6.4
tqdm	4.66.1
traitlets	5.14.1
types-python-dateutil	2.8.19.20240106
typing_extensions	4.9.0
tzdata	2023.4
tzlocal	5.2

uri-template	1.3.0
urllib3	2.1.0
validators	0.22.0
wcwidth	0.2.13
webcolors	1.13
webencodings	0.5.1
websocket-client	1.7.0
Werkzeug	3.0.1
widetsnbextension	4.0.9
wsproto	1.2.0
zipp	3.17.0

Thanks for Using My System....