

170 PYTHON PROJECTS

With Source Code & Resources

A collection of simple Python mini projects to enhance your Python skills.



```
from superpowers import create_super
person = {
    'name': 'Yasoob'
    'occupation': 'author'
}
create_super(person)
```



Dr.Vaishali Dixit



- https://www.youtube.com/watch?v=dyN_WtjdfpA
- <https://www.geeksforgeeks.org/nlp-how-tokenizing-text-sentence-words-works/>
- <https://www.geeksforgeeks.org/pyplot-in-matplotlib/>

pin your note :

- <https://www.youtube.com/watch?v=ill3H2O5KYg>
- https://www.tutorialspoint.com/python/time_sleep.htm
- <https://www.geeksforgeeks.org/python-gui-tkinter/>

Notification app :

- <https://www.youtube.com/watch?v=vPsM7qdnhzc>
- <https://www.geeksforgeeks.org/desktop-notifier-python/>
- <https://www.geeksforgeeks.org/python-desktop-notifier-using-plyer-module/>

Contact Book Application :

- <https://www.youtube.com/watch?v=0rzNAGe-gUs>
- <https://www.geeksforgeeks.org/python-tkinter-tutorial/>
- <https://www.geeksforgeeks.org/sql-using-python-sqlite-set-2/>

Typing Speed Test :

- <https://www.youtube.com/watch?v=0e6gmdYqXrc>
- <https://www.geeksforgeeks.org/python-string-split/>
- <https://www.geeksforgeeks.org/taking-input-in-python/>

Secure your password:

- <https://www.geeksforgeeks.org/taking-input-in-python/>
- <https://developers.google.com/edu/python/dict-files>
- <https://www.edureka.co/blog/print-in-python/>

Tic Tac Toe:

- <https://medium.com/byte-tales/the-classic-tic-tac-toe-game-in-python-3-1427c68b8874>
- <https://inventwithpython.com/chapter10.html>
- <https://www.geeksforgeeks.org/python-implementation-automatic-tic-tac-toe-game-using-random-number/>

Password manager:

- <https://www.geeksforgeeks.org/python-gui-tkinter/>
- <https://www.geeksforgeeks.org/generating-strong-password-using-python/>
- <https://www.geeksforgeeks.org/file-handling-python/>

Weather application:

- <https://www.youtube.com/watch?v=vJCjDevYDt8>
- <http://tomasz-kluckowski.com/project/the-weather-app/>
- <https://www.geeksforgeeks.org/python-real-time-weather-detection-using-tkinter/>
- <https://github.com/Tomasz-Kluczowski/Weather-App>

Air quality detector:

- <https://www.youtube.com/watch?v=vJCjDevYDt8>

Iris Flower Detector:

- https://en.wikipedia.org/wiki/Iris_flower_data_set
- https://en.wikipedia.org/wiki/Support_vector_machine
- https://www.youtube.com/watch?v=YI7Y_8RK6pc

Flight Fare Prediction:

- <https://www.kaggle.com/nikhilmittal/flight-fare-prediction-mh>
- https://scikit-learn.org/stable/modules/generated/sklearn.linear_model.LinearRegression.html
- <https://medium.com/code-to-express/flight-price-prediction-7c83616a13bb>

Rock Paper Scissor:

- <https://www.geeksforgeeks.org/python-program-implement-rock-paper-scissor-game>
- <https://www.afiniti.com/corporate/rock-paper-scissors>
- <https://www.tes.com/teaching-resource/building-a-rock-paper-scissors-game-using-scratch-11268599>
- <https://www.youtube.com/watch?v=KnVwmBh1bo0>

Rolling Dice:

- <https://www.geeksforgeeks.org/python-if-else/#if-elif>
- <https://www.geeksforgeeks.org/python-while-loops/?ref=lbp>
- <https://www.tutorialsteacher.com/python/random-module>

Quiz Application:

- <https://www.youtube.com/watch?v=VR-yNEpGk3g>
- <https://www.geeksforgeeks.org/python-multiple-choice-questions/>
- <https://www.youtube.com/watch?v=cwJBEZjQJtc>

License Plate Detection :

- <http://youtube.com/watch?v=GXyLSx8l9gM>
- https://docs.opencv.org/master/d9/df8/tutorial_root.html

Alarm Clock :

- https://www.tutorialspoint.com/python/python_gui_programming.htm
- <https://docs.python.org/3/library/datetime.html>

Simple Calculator

- <https://www.geeksforgeeks.org/make-simple-calculator-using-python/>
<https://www.geeksforgeeks.org/make-simple-calculator-using-python/>
<https://www.youtube.com/watch?v=miC7ni64hbw>
- <https://www.youtube.com/watch?v=B1U0gUhUeQs>

File Renaming Tool

- <https://www.geeksforgeeks.org/rename-multiple-files-using-python/>
- <https://docs.python.org/3/>

IRIS FLOWER CLASSIFICATION USING ML:

- <https://medium.com/gft-engineering/start-to-learn-machine-learning-with-the-iris-flower-classification-challenge-4859a920e5e3>
- <https://www.neuraldesigner.com/learning/examples/iris-flowers-classification>
- <https://www.skyfilabs.com/project-ideas/iris-flower-classification-using-machine-learning>
- <https://analyticsindiamag.com/start-building-first-machine-learning-project-famous-dataset/>

- https://www.youtube.com/watch?v=FLuqwQgSBDw&ab_channel=AppliedAICourse
- https://www.youtube.com/watch?v=CLvboTdwpjc&ab_channel=RealKnow
- https://youtu.be/Y17Y_8RK6pc?list=PL5tcWHG-UPH1OeZ2vU5xQd7RVpkWvwJny
- <https://youtu.be/ACdBKML9l4s>

Using Google API

- <https://github.com/googleapis/google-api-python-client>
- <https://www.youtube.com/watch?v=IVjZMIWhz3Y>

Admission Prediction using ML

- <https://www.udemy.com/share/103wKGAEETdltURH8B/>

IPL score predictor

- <https://youtu.be/4CtyDxfhoN8>

Refrences for Twitter Sentiment Analysis using ML

- <https://towardsdatascience.com/social-media-sentiment-analysis-49b395771197>
- <https://towardsdatascience.com/social-media-sentiment-analysis-part-ii-bcacca5aaa39>

Credit Card Fraud Detection

- <https://www.geeksforgeeks.org/ml-credit-card-fraud-detection/>

Alarm clock

- https://youtube.com/playlist?list=PLu0W_9lI9ajLcqRcj4PoEihkukF_OTzA
- <https://itsourcecode.com/free-projects/python-projects/alarm-clock-using-python-with-source-code/>

SR	Project	Author
1	Hello World	Ravi Chavare
2	JSON to CSV	Murilo Pagliuso
3	Random Password Generator	Mitesh Ravi
4	Instagram Profile Info	Chavare Mitesh
5	Search string in Files	Mitesh & Michael Mba
6	Fetch links from Webpage	Mitesh
7	Todo App With Flask Add	Mitesh
8	Watermark on Images	Ravi Chavare
9	WishList App Using Django	Ravi Chavare
10	Split Folders into Subfolders	Mitesh
11	Download bulk images	Ravi Chavare
12	Random word from file	

13	Battery notification Calculate age	Mitesh Gaodong
14	Text file analysis Generate image	m044 de ravi
15	snippets Organize file system Send	chavare Mitesh
16	emails Get Ipaddress and Hostname	Mitesh Nuh
17	of	Mohammed
18	Website	
19	Progressbar using tqdm	
	Get meta information of images	
	Captures Frames from video	
20		Mitesh
	Fetch Wifi Saved Password Windows	
21		Gaodong
	Save Screenshot of given Website	
22		phileinSophos
	Split files using no of lines	
23		Mitesh
	Encrypt and decrypt text	
24		m044 de
	Captures screenshot at regular interval of time	
25		phileinSophos
	Create password hash	
26		Gaodong
	Encrypt file and folders	
27		d33pc
	Decimal to binary and vice versa	
28	Cli Based Todo Application	m044 de
29	Currency Convertor cli app	Gaodong
30	Stopwatch Application	Alan Anaya
31	CLI Proxy Tester	AudreyYang
32		github - of-wone
33		Gaodong
34		Ingo Kleiber

35	XML to JSON file Convertor	John Kirtley
36	Compress file and folders	Gaodong
37	Find IMDB movie ratings	ShivSt
38	Convert dictionary to python object	Varun-22
39	Move files to alphabetically arranged folders	Chathura Nimesh
40	Scrape Youtube video comment	Saicharan67
41	Website Summerization	Believe Ohiozua
42	Text To speech(mp3)	Sergej Dikun
43	Image format conversion	Ramon Ferreira
44	Save random article from wikipedia	Rakshit Puri
45	Check website connectivity	Shiv Thakur
46	Fetch city weather information	Kushal Agrawal
47	Calculator App	Gaodong
48	Merge Csv files	Kushal Agrawal
49	Fetch tweets and save in csv	Kushal Agrawal
50	Language Translator using googletrans	Ashiqur Rahman
	Split video using timeperiod	Tusher
51	Fetch unique words from file	Chathura Nimesh
52	Speech to text converter	Rakshit Puri
53	Set Random Wallpaper	Paulo Henrique
54	Find Dominant color from image	Chathura Nimesh
55	Ascii art	Mitesh
56		Shiny Akash

57	Merge Pdf Files	ShivSt	Kushal
58	Fetch Open Port	Agrawal	Niraj
59	Convert Numbers To Words	Shrestha	
60	Restart and Shutdown System	Phillibob55	Shiv
61	Check website connectivity	Thakur	Aditya
62	Digital clock using tkinter	Jetely	Gaodong
63	Covert Image To Pdf	Shiv	Thakur
64	Store emails in csv file	Jacob	Ogle
65	Test Internet Connection	Aditya	Jetely
66	XKCD Comics Downloader	Phillibob55	
67	Website Blocker And Unblocker	Aditya	Jetely
68	Fetch Domain Dns Record	Tushar	Nankani
69	Py thon-Auto -Draw	pratik-choudhari	
70	News Website Scraper	Tushar	Nankani
71	Rock Paper Scissors Game	Aditya	Jetely
72	Zip File Extractor	Tushar	Nankani
73	Random Password Generator	Aditya	Jetely
74	Script to perform Geocoding	Ravishankar	
75	Python Carbon Clips	Chavare	
		Shiv Thakur	
		Erfan Saberi	
76	QR Code Generator	Erfan Saberi	
77	Recursive Password Generator	Tushar Nankani	
78	Tic Tac Toe		
79	Tic Tac Toe with AI		

80	Cartoonify an Image	Bartu Yaman
81	Quote Scrapper	Anandha Krishnan Aji
82	Time To Load Website	Aditya Jetely
83	Customer Loan Repayment Prediction	ART
84	Generate Wordcloud from Wikipedia Article Number Guessing Game	Naman Shah
85	Convert JPEG to PNG	Javokhirbek
86	Movie Information Scrapper	AnuragGupta
87		Anandha Krishnan Aji
88	Fetch HTTP Status Code	AkshataJ96
89	Check Leap Year	Hariom Vyas
90	Scrape Medium Articles	Naman Shah
91	HackerNews Scrapper	Javokhirbek
92	Reduce Image Size	Vipul Verma
93	Easy Video Player	Bartu Yaman
94	GeeksforGeeks Article downloader	Shiv Thakur
95	PDF to Text	pi1814
96	Unstructured Supplemenrary Service Data Duplicate Files remover	ART
97		Anandha Krishnan Aji
98	PNG to ICO converter	weicheansoo
99	Find IMDB Ratings	Utkarsh Bajaj

100	Terminal Based Hangman Game	neohboonyee99
101	Whatsapp Bot	urmil89
102	Zip Bruter	Erdoğan YOKSUL
103	CountDown Timer	Japneet Kalra

Credit: <https://github.com/Python-World/python-mini-projects>

Credit: <https://github.com/garimasingh128/awesome-python-projects>