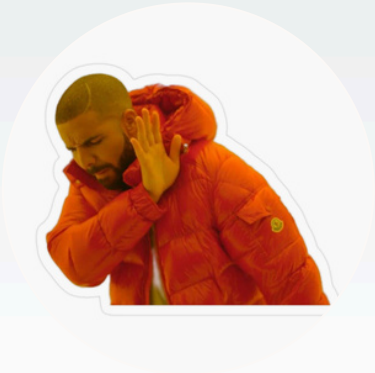
170 PYTHON PROJECTS

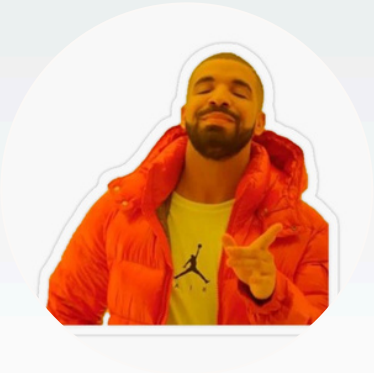
With Source Code & Resources

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

Other Roadmap ❌



This Roadmap ✅



Ankit Pandey

- 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=ilI3H2O5KYg
- 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-kluczkowski.com/project/the-weather-app/
- https://www.geeksforgeeks.org/python-real-time-weather-detection-using-tkinter/
- https://github.com/Tomasz-Kluczkowski/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=Y17Y_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/103wKGAEETdItURH8B/

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_9lII9ajLcqRcj4PoEihkukF_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	snipets Organize file system Send	chavare Mitesh
16	emails Get Ipaddress and Hostname	Mitesh Nuh
17	of	Mohammed
18	Website Progressbar using tqdm	
19	Get meta information of images	
20	Captures Frames from video	Mitesh
21	Fetch Wifi Saved Password Windows	Gaodong
22	Save Screenshot of given Website	phileinSophos
23	Split files using no of lines	Mitesh
24	Encrypt and decrypt text	m044 de
25	Captures screenshot at regular interval of time	phileinSophos
26	Create password hash	Gaodong
27	Encrypt file and folders	d33pc
28	Decimal to binary and vice versa 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 Tusher
51	Split video using timeperiod Fetch unique words from file	Chathura Nimesh Rakshit Puri
52	Speech to text converter	Paulo Henrique
53	Set Random Wallpaper	Chathura Nimesh
54	Find Dominant color from image	Mitesh
55	Ascii art	Shiny Akash
56		

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 Chavare
75	Python Carbon Clips	Shiv Thakur
76	QR Code Generator	Erfan Saberi
77	Recursive Password Generator	Erfan Saberi
78	Tic Tac Toe	Tushar Nankani
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 Ar ticle	Naman Shah
85	Number Guessing Game 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	ART
97	Duplicate Files remover	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