

# 170 Python

# Projects

with Source Code & Resources

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

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- [https://www.youtube.com/watch?v=dyN\\_WtjdfpA](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.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-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/Iris_flower_data_set)
- [https://en.wikipedia.org/wiki/Support\\_vector\\_machine](https://en.wikipedia.org/wiki/Support_vector_machine)
- [https://www.youtube.com/watch?v=Y17Y\\_8RK6pc](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://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](https://docs.opencv.org/master/d9/df8/tutorial_root.html)

#### Alarm Clock :

- [https://www.tutorialspoint.com/python/python\\_gui\\_programming.htm](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.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=FLuqwQgSBDw&ab_channel=AppliedAICourse)
- [https://www.youtube.com/watch?v=CLvboTdwpjc&ab\\_channel=RealKnow](https://www.youtube.com/watch?v=CLvboTdwpjc&ab_channel=RealKnow)
- [https://youtu.be/Y17Y\\_8RK6pc?list=PL5tcWHG-UPH1OeZ2vU5xQd7RVpkWvwJny](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>

## References 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://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	<a href="#">Hello World</a>	<a href="#">Ravi Chavare</a>
2	<a href="#">JSON to CSV</a>	<a href="#">Murilo Pagliuso</a>
3	<a href="#">Random Password Generator</a>	<a href="#">Mitesh</a>
4	<a href="#">Instagram Profile Info</a>	<a href="#">Ravi Chavare</a>
5	<a href="#">Search string in Files</a>	<a href="#">Mitesh</a>
6	<a href="#">Fetch links from Webpage</a>	<a href="#">Mitesh &amp; Michael Mba</a>
7	<a href="#">Todo App With Flask</a>	<a href="#">Mitesh</a>
8	<a href="#">Add Watermark on Images</a>	<a href="#">Mitesh</a>
9	<a href="#">WishList App Using Django</a>	<a href="#">Ravi Chavare</a>
10	<a href="#">Split Folders into Subfolders</a>	<a href="#">Ravi Chavare</a>
11	<a href="#">Download bulk images</a>	<a href="#">Mitesh</a>
12	<a href="#">Random word from file</a>	<a href="#">Ravi Chavare</a>



13	Battery notification	Mitesh
14	Calculate age	Gaodong
15	Text file analysis	m044de
16	Generate image snippets	ravi chavare
17	Organize file system	Mitesh
18	Send emails	Mitesh
19	Get Ipaddress and Hostname of Website	Nuh Mohammed
20	Progressbar using tqdm	Mitesh
21	Get meta information of images	Gaodong
22	Captures Frames from video	phileinSophos
23	Fetch Wifi Saved Password Windows	Mitesh
24	Save Screenshot of given Website	m044de
25	Split files using no of lines	phileinSophos
26	Encrypt and decrypt text	Gaodong
27	Captures screenshot at regular interval of time	d33pc
28	Create password hash	m044de
29	Encrypt file and folders	Gaodong
30	Decimal to binary and vice versa	Alan Anaya
31	Cli Based Todo Application	Audrey Yang
32	Currency Convertor cli app	github-of-wone
33	Stopwatch Application	Gaodong
34	CLI Proxy Tester	Ingo Kleiber

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

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

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

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>

# Machine Learning, MLOps & GenerativeAI Roadmap

<https://god-level-python.notion.site/Build-a-Strong-Machine-Learning-Portfolio-Personal-Brand-Get-Tons-of-Job-Offers-in-12-Weeks-Live-b3c98407b4ab45819811db081ae9d102?pvs=4>

## About me (Your Mentor)



I am [Himanshu Ramchandani](#) a Data & Engineering Consultant. I help enterprises utilize big data to build AI-powered products & Mentor professionals to improve their skills in the data field by 1% every day.

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