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190 Python Projects with Source Code

190 Python Projects with Source Code: solved and explained for free

190 Python Projects with Source Code

(Solved and Explained for free)



Python is one of the best programming languages. Due to its readability and beginner-friendly nature, it has been accepted by industries around the world. So to master Python for any field you have to work on projects. In this article, I will take you through more than 190 Python projects with source code.

Python Projects with Source Code

Python Projects For Beginners:

1. Number Guessing Game



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4. [Group Elements of Same Indices](#)
5. [Calculate Mean, Median, and Mode using Python](#)
6. [Calculate Execution Time of a Python Program](#)
7. [Count Number of words in a Column](#)
8. [Rock Paper Scissors Game using Python](#)
9. [Print Emojis using Python](#)
10. [Correct Spellings using Python](#)
11. [Scraping Github Profile using Python](#)
12. [Visualize Linear Relationships using Python](#)
13. [Generate Text using Python](#)
14. [Scrape Table From a Website using Python](#)
15. [Extract Text From PDF using Python](#)
16. [Reversing a String using Python](#)
17. [Match Sequences using Python](#)
18. [QR Code using Python](#)
19. [Decode a QR Code using Python](#)
20. [Creating Dummy Data using Python](#)
21. [Remove Cuss Words using Python](#)
22. [Find Duplicate Values using Python](#)
23. [Detect Questions using Python](#)
24. [Voice Recorder using Python](#)
25. [Reading and Writing CSV Files using Python](#)



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28. [Age Calculator using Python](#)
29. [LCM using Python](#)
30. [Price Elasticity of Demand using Python](#)
31. [Find the Most Frequent Words in a File](#)
32. [Find the Number of Capital Letters in a File](#)
33. [Index of Maximum Value in a Python List](#)
34. [Index of Minimum Value in a Python List](#)
35. [Voice Recorder using Python](#)
36. [Send Instagram Messages using Python](#)
37. [Animated Scatter Plot](#)
38. [Create Font Art using Python](#)
39. [Collage Maker with Python](#)
40. [Get Phone Number Details using Python](#)
41. [Display a Calendar using Python](#)
42. [Internet Speed Test using Python](#)
43. [Text to Handwriting with Python](#)
44. [Shutdown Computer using Python](#)
45. [Send Automatic Emails using Python](#)
46. [Defang IP Address](#)
47. [Password Authentication using Python](#)
48. [Web Scraping to create a dataset](#)

49. [Resume Scanner](#)



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52. [Quartile Deviation using Python](#)

53. [Count Character Occurrences](#)

54. [Pyramid Pattern using Python](#)

55. [Sequential Search](#)

56. [Swap Variables using Python](#)

57. [Sorting NumPy Arrays](#)

58. [Validate Anagrams](#)

59. [Create Tables with Python](#)

60. [Recursive Binary Search](#)

61. [Backward For Loop](#)

62. [Dijkstra's Algorithm using Python](#)

63. [Hash Tables using Python](#)

64. [Queues using Python](#)

65. [Validate a Binary Search Tree](#)

66. [Stacks using Python](#)

67. [Check Palindrome Words](#)

68. [Breadth-First Search Algorithm](#)

69. [Plot Annotations](#)

70. [Real-Time Currency Converter](#)

71. [FizzBuzz Algorithm](#)

72. [Extract Keywords with Python](#)

73. [Read Data From Google Sheets with Python](#)



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76. [Mad Libs Game with Python](#)
77. [Create Acronyms using Python](#)
78. [Alarm Clock with Python](#)
79. [Email Slicer with Python](#)
80. [Story Generator with Python](#)
81. [Generate Password with Python](#)
82. [Play Rock, Paper, and Scissors with Python](#)
83. [Dice Roll Simulator](#)
84. [QR Code Generator](#)
85. [Animal Quiz Game](#)
86. [Print Coloured Text](#)
87. [BMI Calculator](#)
88. [Fahrenheit to Celcius Converter](#)
89. [Taking Multiple User Inputs](#)
90. [Convert Roman Numbers to Decimals](#)
91. [Pearson Correlation](#)
92. [Treemap using Python](#)
93. [Convert Image to an array](#)
94. [Scrape IMDb with Python](#)
95. [Python Projects for Resume](#)
96. [Python Project Ideas for Final Year](#)



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3. [Get Stock Price Data using Python](#)
4. [Candlestick Chart using Python](#)
5. [Word Cloud From a Pandas DataFrame](#)
6. [LeNet-5 Architecture using Python](#)
7. [End-to-end Encryption using Python](#)
8. [Get Live Covid-19 Data using Python](#)
9. [Violin Plot using Python](#)
10. [Sunburst Plot with Python](#)
11. [Calculation of Accuracy using Python](#)
12. [Visualize a Neural Network using Python](#)
13. [Bias and Variance using Python](#)
14. [Get Live Weather Updates using Python](#)
15. [Count Objects in Image using Python](#)
16. [Scrape Trending News using Python](#)
17. [Real-time Stock Price Data Visualization using Python](#)
18. [OTP Verification using Python](#)
19. [Data Visualization on a map](#)
20. [Choropleth Map with Python](#)
21. [Egg catcher game](#)
22. [Extract Country Details](#)
23. [Convert Text to Numerical data](#)
24. [AUC and ROC using Python](#)

Missing: Advanced Projects Beginning

1)-Netflix Recommendation System;

>> Link:

<https://thecleverprogrammer.com/2022/07/05/netflix-recommendation-system-using-python/>

2)-Time-Series Graph Using Python

>> Link:

<https://thecleverprogrammer.com/2022/01/12/time-series-graph-using-python/>



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27. [Language Detection](#)
28. [Histogram and Density Plots with Python](#)
29. [Radar Plot with Python](#)
30. [Create a Chatbot with Python](#)
31. [Stopwords Removal](#)
32. [Unicode Characters Removal](#)
33. [Grammar Correction with Python](#)
34. [Caterpillar Game with Python](#)
35. [Maze Solver](#)
36. [Encrypt and Decrypt Messages with Python](#)
37. [Screen Pet Game with Python](#)
38. [Robot Builder with Python](#)
39. [Generate Word Clouds](#)
40. [Bitcoin Mining](#)
41. [Password Picker](#)
42. [Typing Test Game GUI](#)
43. [Contact Book with Python](#)
44. [Hangman Game with Python](#)
45. [URL Shortner with Python](#)
46. [Digital Clock GUI](#)
47. [Get Desktop Notifications with Python](#)
48. [Use Your Phone Camera for Computer Vision](#)



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51. [Extract Text from videos](#)
52. [Fidget Spinner Game](#)
53. [Spelling Correction with Python](#)
54. [Create Amazing Graphics with Python](#)
55. [Monty Hall Simulator](#)
56. [Video to Audio Converter](#)
57. [Tic Tac Toe GUI](#)
58. [Calculator GUI](#)
59. [Number Guessing Game](#)
60. [Image Converter GUI](#)
61. [Weight Converter GUI](#)
62. [Visualize a Chess Board with Python](#)
63. [Age and Gender Detection](#)
64. [Bar Code and QR Code Reader](#)
65. [Create Audiobook with Python](#)
66. [Face Detection](#)
67. [Extract Text from PDF](#)
68. [Card Game using DS and Algo](#)
69. [Web Scraper with Python](#)
70. [Create a Pencil Sketch using Python](#)
71. [Text Editor GUI](#)
72. [Instagram Filters with Python](#)



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75. [Image Segmentation](#)
76. [Quick Sort Algorithm](#)
77. [Deploy a Chatbot](#)
78. [Create a Telegram Bot](#)
79. [Scraping Twitter without API](#)
80. [Text to Speech Converter](#)
81. [Keyword Research with Python](#)
82. [Next Word Prediction](#)
83. [Scrape Wikipedia](#)
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85. [Web Scraping to create a CSV](#)
86. [Scrape Instagram](#)
87. [Image Filtering](#)
88. [Audio Processing](#)
89. [Analog Clock with Python](#)
90. [Create a Simple Chatbot](#)
91. [Clock APP with Python](#)
92. [3D Graphs](#)
93. [Calendar GUI](#)
94. [Get Real-time weather with Python](#)

So these were some of the best Python projects with source code that you should try.



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