Riddhi Gupta

Be a Creator !

100 PYTHON PROJECTS

Part 1

1. Personalized Greeting Program

2. Simple Calculator

3. Age Calculator from Birth Year

4. Even or Odd Number Checker

5. Temperature Converter

6. Area & Perimeter Calculator

7. Number Swapper Without Temp Variable

8. Multiplication Table Generator

9. Simple Interest Calculator

10. Leap Year Checker

11. **Word & Character Counter**

12. **Reverse a String**

13. **Palindrome Checker**

14. **Anagram Detector**

15. **Vowel Counter**

16. **Pig Latin Translator**

17. **Text Censor Tool (Bad word filter)**

18. **Title Case Converter**

19. **Morse Code Encoder & Decoder**

20. **Password Strength Checker**

21. **Fibonacci Sequence Generator**

22. **Prime Number Checker**

23. **Factorial Calculator**

24. **Armstrong Number Finder**

25. **Number Guessing Game**

26. **Sum of Digits in a Number**

27. **Binary to Decimal Converter**

28. **Simple Pattern Printer (Pyramids, Triangles)**

29. **Magic Square Checker**

30. **LCM & HCF Calculator**

04 File Handling Projects

31. **Text File Word Counter**

32. **File Duplicate Detector**

33. **Contact Book**

34. **Daily Journal Logger**

35. **Note Taking App**

36. **Ingredient Checker**

37. **Backup File Creator**

38. **JSON Data Dumper**

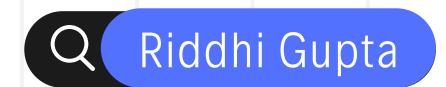39. **Mini To-Do App**

40. **Shopping List App**

41. **Rock-Paper-Scissors Game**

42. **Dice Rolling Simulator**

43. **Hangman Game**

44. **Number Puzzle Solver**

45. **Tic-Tac-Toe (2-player)**

46. **Word Jumble Solver**

47. **Coin Toss Simulator**

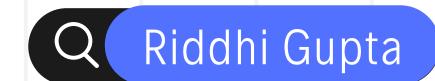48. **Quiz Game (MCQ-based)**

49. **Magic 8 Ball**

50. **Memory Game**

51. **Weather App using OpenWeather API**

52. **Wikipedia Summary Fetcher**

53. **News Headlines Scraper**

54. **GitHub Profile Analyzer (using GitHub API)**

55. **YouTube Video Title Scraper**

56. **Stock Price Tracker**

57. **Email Extractor from Webpage**

58. **Joke Generator (Official Joke API)**

59. **Crypto Price Tracker**

60. **Quotes Scraper from Goodreads**

61. **Rename Files Based on Pattern**

62. **Auto Email Sender (SMTP)**

63. **Auto WhatsApp Message Sender**

64. **Folder Organizer (Images, PDFs, etc.)**

65. **Website Screenshot Taker**

66. **Bulk Image Downloader**

67. **Auto PDF Merger**

68. **Google Search Automation**

69. **Instagram Auto Liker (educational use only)**

70. **Alarm Clock App**

08 **GUI Projects with Tkinter**

71. **Digital Clock GUI**

72. **Simple Calculator GUI**

73. **Pomodoro GUI**

74. **BMI Calculator GUI**

75. **Notepad Clone**

76. **Tic-Tac-Toe with GUI**

77. **Unit Converter GUI**

78. **Drawing App (Paint)**

79. **Currency Converter**

80. **Countdown Timer App**

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81. **Expense Tracker**

82. **Budget Manager CLI**

83. **Password Manager (with hashing)**

84. **URL Shortener**

85. **QR Code Generator & Scanner**

86. **Text to Speech App**

87. **PDF to Audio Converter**

88. **File Encryption & Decryption**

89. **Resume Parser (PDF/Docx to JSON)**

90. **Habit Tracker App (CSV or JSON-based)**

10 Data Analysis & Visualization Projects

91. **CSV Data Analyzer**

92. **Movie Ratings Analyzer using IMDb Dataset**

93. **Student Marks Visualizer**

94. **COVID-19 Data Tracker**

95. **World Population Explorer**

96. **Survey Data Dashboard**

97. **Real-time Line Chart**

98. **Salary Distribution Plotter**

99. **Excel File Analyzer**

100. **Correlation Heatmap Builder**

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