100 Python Projects (Beginner to Advanced)

GUI only: KivyMD

Games: Pygame

Data: Pandas, Matplotlib

No machine learning

LEVEL 1: Beginner Real-Life Projects (1–20)

1. To-Do App (KivyMD)

2. Notes App with Search

3. Personal Diary App

4. Contact Manager

5. Expense Tracker (Pandas + CSV)

6. Password Strength Checker

7. Password Manager (Encrypted)

8. College Routine Planner

9. File Organizer (Sort files by type)

10. Alarm Clock App

11. Basic Chat UI (Offline)

12. Study Timer / Pomodoro App

13. Book List Manager

14. Daily Habit Tracker

15. Calendar Viewer App

16. Clipboard Manager

17. Basic Text Editor (KivyMD)

18. Photo Viewer App

19. Simple Audio Player

20. Student Record System (CSV + UI)

LEVEL 2: Intermediate Utility Projects (21–40)

21. Banking System (Transfers, History)

22. Invoice/Billing Generator

23. Personal Finance Dashboard (Matplotlib)

24. Barcode/QR Generator

25. Currency Converter (API)

26. Weather App (API + JSON)

27. PDF Merger & Splitter (PyPDF2)

28. Image Resizer & Converter (Pillow)

29. MP3 Tag Editor

30. Auto Screenshot Tool

31. Dictionary App (API)

32. Email Sender App

33. File Compression Tool (zip)

34. RSS News Reader

35. Text Encryption App

36. Multi-Tab Notepad

37. Budget Planner with Charts

38. Study Material Organizer

39. Voice Recorder App

40. Photo Collage Generator

LEVEL 3: Core System Projects (41–60)

41. Advanced Password Manager (Master Key)

42. Hospital Reception System

43. School Management System

44. Library Management System

45. College Admission System

46. Employee Payroll System

47. Attendance Manager (CSV + UI)

48. Inventory Control System

49. Shop Billing System

50. SMS Sender App (API)

51. Email Reminder Scheduler

52. Food Menu Ordering System

53. File Backup & Restore Tool

54. WiFi Information Viewer

55. PC Usage Time Tracker

56. Clipboard History App

57. Folder Lock Tool (password-protected)

58. Search Engine for Your PC Files

59. Custom Launcher App

60. Photo Gallery with Folders Support

LEVEL 4: Automation + Networking + Data Systems (61–80)

61. Web Scraper + Export to CSV

62. Automated Excel Reporter (Pandas)

63. Web Automation with Selenium

64. Email Automation System

65. System Resource Monitor Dashboard

66. Duplicate File Finder

67. Log Analyzer Tool

68. URL Availability Checker

69. Website Screenshot Tool

70. Auto Rename Tool

71. Desktop Notification Scheduler

72. Phone Book Sync Tool (CSV)

73. SMS Backup Reader

74. File Encryption/Decryption Suite

75. PDF Text Extractor

76. SQL Database Client (UI + CRUD)

77. API Testing Tool

78. Network Speed Tester

79. YouTube Video Downloader

80. Automated Backup System (USB/Cloud)

LEVEL 5: Games, Graphics & Pygame (81–95)

81. Pygame Snake Game

82. Pygame Pong

83. Pygame Car Racing

84. Space Shooter Game

85. Runner Game (2D)

86. Chess Game (valid moves)

87. Sudoku Game Solver UI

88. 2D Platformer Game

89. Breakout Brick Game

90. Flappy Bird Clone

91. Tower Defense Game

92. 2D RPG Game

93. Zombie Survival Game

94. Simple Game Engine (scene manager, physics)

95. Pygame Strategy Grid Game

LEVEL 6: Advanced Applications (96–100)

96. File Sync Software (Local network)

97. Cloud Storage Client (Upload, Download)

98. KivyMD Social Media UI (Posts, Comments, Profiles, Local DB)

99. 3D Graphics Engine (Pygame + math)

100. Full Desktop OS-Style Launcher (Apps + Files + Settings)