

Here are 100 personal project ideas to help you practice React Native Skia — from beginner to advanced level — organized by category:

Drawing & Shapes (Basics)

1. Draw a circle with animated radius
 2. Interactive line drawing on touch
 3. Animate a square rotating on center
 4. Colorful gradient-filled rectangle
 5. Morphing shapes (circle → square → star)
 6. Clock with ticking hands
 7. Analog stopwatch UI
 8. Circular progress ring with percentage
 9. Skia logo recreation using primitives
 10. Radial gradient background
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Path-Based Projects

11. Animate object along a circular path
12. Create heart shape using Bézier curves
13. CNC G-code visualizer
14. Real-time drawing path with undo/redo
15. Sketchpad with smoothing
16. Route/path drawing with point markers

17. Lissajous curve animation
 18. Path following by multiple dots
 19. Animate text along a path
 20. Dynamic waveform (audio visualizer-style)
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Charts & Data Viz

21. Line chart with animated values
 22. Pie chart with interactive slices
 23. Donut chart with center text
 24. Radar/spider chart
 25. Animated bar graph
 26. Candle stick chart (stock prices)
 27. Heatmap of taps or touches
 28. Real-time updating chart (like ECG)
 29. Scrollable timeline chart
 30. Histogram with bins animation
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Color & Gradients

31. Color picker wheel
32. Animated background gradient
33. Gradient based on time of day
34. Neon glowing text

- 35. Ripple effect with color blending
 - 36. Day/Night transition scene
 - 37. Heat signature effect
 - 38. Image tint slider
 - 39. Hue shifting animation
 - 40. Circular rainbow spinner
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Real-world UI Widgets

- 41. Weather widget with animated icons
 - 42. Compass with rotating needle
 - 43. Speedometer gauge
 - 44. Fuel meter gauge
 - 45. Step counter with progress animation
 - 46. Skia-based calculator UI
 - 47. Analog clock face themes
 - 48. Countdown timer with visual feedback
 - 49. Credit card UI with wave animation
 - 50. Gesture-driven animation menu
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☐ ☐ Physics & Simulation

- 51. Pendulum simulation
- 52. Spring animation for bouncing ball

- 53. Flocking birds (Boids)
 - 54. Particle explosion effect
 - 55. Simple gravity system
 - 56. Rigid body collision demo
 - 57. Skia-based marble maze
 - 58. Dripping paint simulation
 - 59. Fireworks burst
 - 60. Water ripple animation
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Images & Filters

- 61. Image loader with fade-in effect
 - 62. Image mask reveal animation
 - 63. Skia-style Instagram filters
 - 64. Real-time blur on touch
 - 65. Polaroid stack viewer
 - 66. Circular image cropper
 - 67. Skia photo collage maker
 - 68. Pixelation effect toggle
 - 69. Color inversion animation
 - 70. Skia-based camera overlay
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Text & Typography

71. Typewriter text animation
 72. Skia-based custom font rendering
 73. Text reveal with clipping path
 74. Neon glow animated text
 75. Text slider with easing transitions
 76. Bouncing text intro animation
 77. Circular text wrapping
 78. Letter morphing animation
 79. Shimmering skeleton loader
 80. Rotating 3D-style headline
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Mini Games & Toys

81. Pong with smooth ball animation
 82. Memory flip card game (with flip effect)
 83. Maze generator
 84. Simple jump game with physics
 85. Reaction timer game
 86. Tap counter with particle bursts
 87. Touch-and-hold drag game
 88. Simon Says color sequence
 89. Bouncing emoji playground
 90. Basic shooting game using paths
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❑ Experimental / Advanced

91. 3D cube illusion with Skia
 92. Procedural terrain generator
 93. Animated Mandelbrot or Julia set
 94. Kaleidoscope pattern generator
 95. Shader-based plasma effect
 96. Point cloud from image
 97. Augmented drawing with accelerometer
 98. Live ECG-style line with real-time updates
 99. VU meter for audio input
 100. React Native Skia + Reanimated visualizer dashboard
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❑ Bonus Tips:

- Use Canvas, Path, Paint, ImageShader, and Text components.
- Combine Skia with **Reanimated 3** for timing and gestures.
- Start simple, then modularize into components for reuse.

Let me know if you want:

- Source code templates for any
- Project roadmap with learning goals
- Hindi-English toggle-ready versions

Would you like 5 sample starter project templates from this list?