

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

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- 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

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- 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

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- 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

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- 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?