Learning QM on your own.

Mithuna, a PhD student studying quantum computing: <u>https://www.youtube.com/watch?v=Rs572Cf4zkk</u>

Sources are available online.

1)Read Feynman's volume 3 (see Mithuna's blog post for problems that accompany the text you should do).

2)Chapters 1, 3.1, 3.5, 4, 6, 7, 10 from Gilbert Strang, <u>Introduction to Linear Algebra</u> Buy a used copy. See also his MIT lectures starting with <u>https://www.youtube.com/watch?</u> <u>v=YrHIHbtiSM0</u>.

3)Susskind's paperback – <u>Quantum Mechanics: The Theoretical Minimum</u> Read it with Townsend's <u>A Modern Approach to Quantum Mechanics</u>.

Reference: Scott Young, Ultralearning.

Write down what you don't understand.

Under that write down your explanation of the problem as if you were teaching it to someone else. Write down all of your confusions. They might get cleared up just by doing that.

If after all this, if I want to go through a QM textbook, which one should I choose (Dirac's?)?

One suggestion is Intro to QM by David Griffiths, 3<sup>rd</sup> edition but reviews say the problems are not given enough information in the text to solve them. Also it isn't recommended for self-study.