Open Adobe Premiere Pro

Create a New project:

File > New > Project...

Import your video

File > Import...

Create a new Sequence

Drag your video onto the Sequence panel

To split a section of your clip for the animated GIF, use 'Add Edit'

Sequence > Add Edit [shortcut: 'command'+ $K(\mathfrak{K}K)$]

Once you have an edited shorter sequence, Export Media

File > Export > Media... (#M)

Don't worry too much about settings here, unless you want to worry

Close Adobe Premiere Pro

Open Adobe After Effects

Import your video

File > Import > File...(光I)

Create a new Composition

Drag your video onto the Composition Panel

To add effects to your sequence

Effect > [desired effect]

You can add multiple effects

Export your Composition

File > Export > Add to Render Queue

OR

Composition > Add to Render Queue (^\mathbb{H}M)

check file name and click 'Render'

Close Adobe After Effects

Open Adobe Photoshop

Import Video to Photoshop

File > Import > Video Frames to Layers

'Make Frame Animation' should be checked

If you receive a frame warning, you can limit the length of the clip and the number of frames imported

Open your Timeline viewer (if it is not open)

Window > Timeline

Make any adjustments you would like

Export your animation as a GIF

File > Export > Save For Web (Legacy)...

Dither and Transparency

these can improve the appearance of your image, or become part of its

aesthetic

Save...

Save your Photoshop file as a PSD

Close Adobe Photoshop

Open your GIF in a web browser