DaVinci 3D Printing Instructions

There are three .stl files on DevMiser GitHub site:

1. DaVinci-Body.stl – this is the main body that holds the mic, the speaker and the LEDs. Please see the DaVinci – The ChatGPT Virtual Assistant Instructions for a parts list. You will also need an angled USB extension cable that will fit inside the body to connect the mic and speaker. I recommend the following which will allow you to plug the mic and speaker into a single extension cable:

https://www.amazon.com/dp/B07ZV7RDNH?psc=1&ref=ppx_yo2ov_dt_b_product_details

If you want DaVinci's hair to be a different color than his body, just insert a change filament instruction at the approximate layer that the hair begins when you use your preferred slicer.

2. DaVinci-BasePlate.stl – this is the bottom part of the body. It has four pegs that the Raspberry Pi 4 will fit onto. You can permanently affix your Pi to the base by putting a little glue at each peg after the Pi is mounted. There is a elliptical hole on the back of the main body for the power supply plug, so be certain to arrange your Pi on the base in the correct direction.
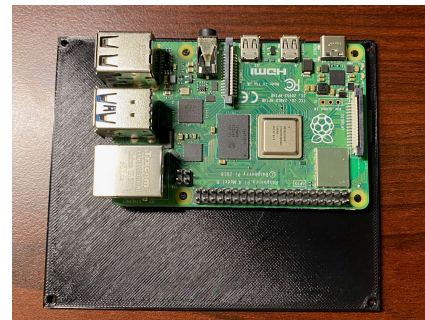
3. DaVinci-EyeSocket.stl – these fit into the holes for the eyes on the main body and the spherical LEDs will fit inside these sockets. You need to print two of them of course.

You can print the parts with whatever type of filament you prefer, but PLA works fine. I recommend using organic supports for the DaVinci-Body. The DaVinci-BasePlate and DaVinci-EyeSocket do not require supports. The base can be attached to the body with screws (2.5mmx0.45mmx10mm Phillips flat head) or glue.