RACTF2020 Writeup – Cut Short

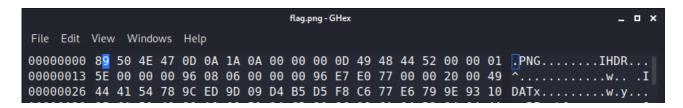This image refuses to open in anything, which is a bit odd. Open it for the flag!

200 Points

This challenge came with a PNG file that could not be opened. I used ghex to have a look at the magic bytes to see if there was anything untoward:

Straight away, I found IEND near the beginning of the file, which means the file is terminated too early. To fix this I removed all data from offset 0xC up to 0x16, and changed offset 0xB from 00 to 0D. The result is as follows:

Now the file can be opened, revealing the flag: