

Rohith Perumalla | 11/6/16

This past week I have primarily focused on learning more about the IPv6 Protocol and working on my digital portfolio. On September 24, 2015 the American Registry for Internet Numbers ran out of IPv4 addresses to register. People had been anticipating this for quite some time since they knew that IPv4 could only handle around 4.3 billion addresses, so they set out to create a new protocol and they made IPv6. IPv6 has a 128-bit address vs. the 32-bit address of IPv4, it allows IPv6 to register around 3.2 undecillion addresses. I learned about the different parts of those 128-bits, and how IPv6 compression works. I learned about the different types of IPv6 addresses including unicast, multicast, anycast, and link local addresses. I also learned about the parts of an IPv6 address, the prefix, the subnet, and the interface. Also this week I worked on my digital portfolio adding more posts and fixings some twitter card issues. On my digital portfolio twitter cards for a few webpages were not showing up, it ended up being a minor error within the metadata of the html file. I also cleaned up some of the formatting and worked on having better formatting on a few PDF files. Overall this week I learned a lot about the IPv6 protocol and worked on cleaning up my digital portfolio.