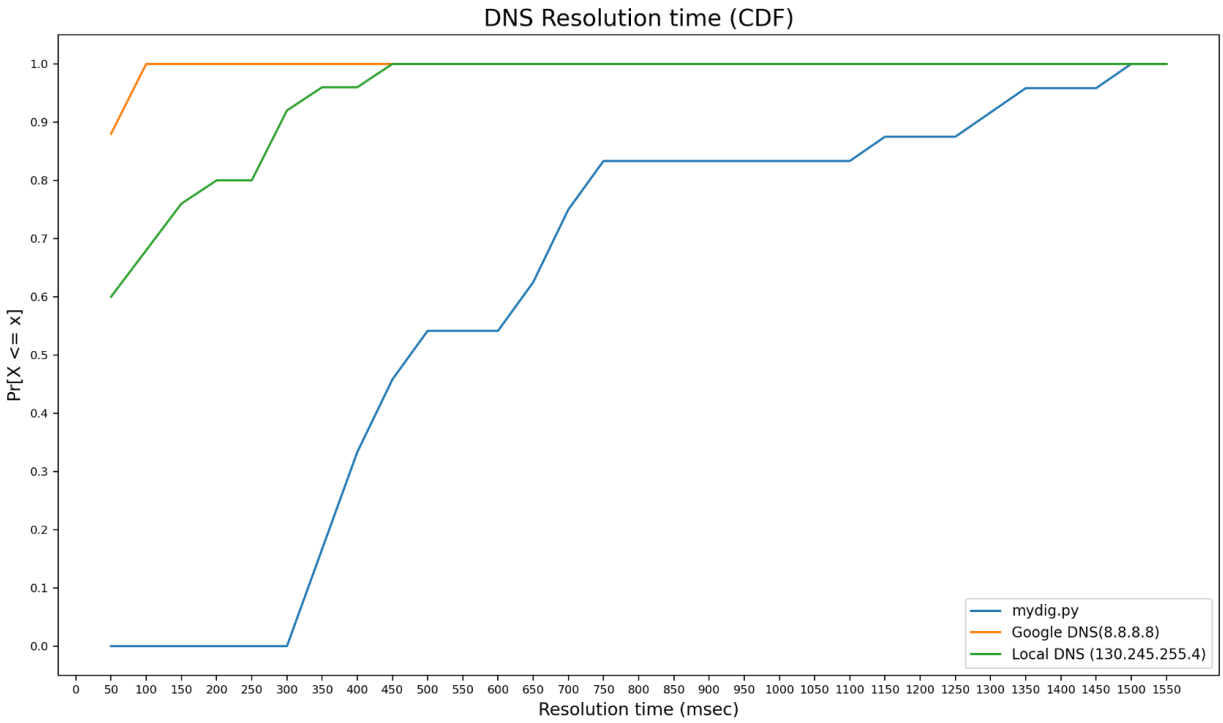
DNS Resolution Performance:



(All resolution times in milliseconds)

Website	mydig.py	Google DNS (8.8.8.8)	Local DNS (darkside.resnet.stonybrook.edu.) (130.245.255.4)
google.com	361	9	11
youtube.com	370	14	8
tmall.com	470	11	123
baidu.com	616	14	30
qq.com	656	42	152
sohu.com	725	60	287
facebook.com	396	18	9
taobao.com	428	35	72
360.cn	1782	30	71
jd.com	678	45	339
amazon.com	668	13	10
yahoo.com	338	17	11
wikipedia.org	442	18	10
weibo.com	649	40	276
sina.com.cn	1147	41	285
zoom.us	739	33	8
xinhuanet.com	1461	66	428
live.com	362	21	8
netflix.com	460	20	12
reddit.com	432	20	10
instagram.com	304	19	8
microsoft.com	320	72	7
office.com	318	14	9
google.com.hk	1302	18	133
panda.tv	1299	25	36

The above graph plots the CDF for the DNS resolution times for the top 25 websites from the list mentioned here

Observation:

It can be clearly observed that the local DNS and Google DNS servers resolve the query significantly faster than my own DNS resolver. This difference can be attributed to the caching mechanisms used in these resolvers, which is useful given the high number of requests that these resolvers process.