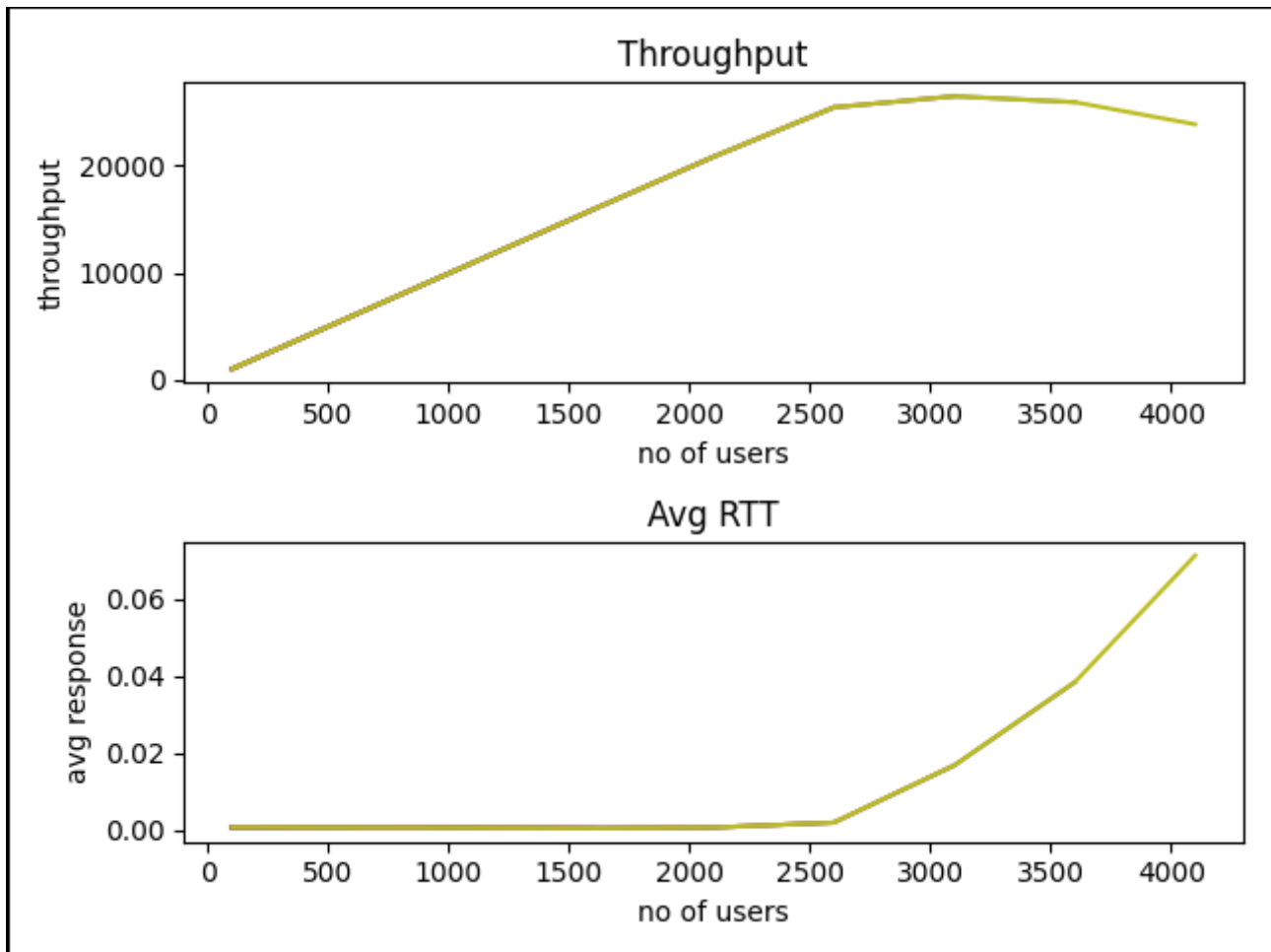


# LOAD GENERATOR

## Nikhil Rajesh Solanki (22M0814)

### Throughput And Response Time Graph:



### System Configuration:

Ryzen7  
16 core processor

The server saturates at near 25000 throughput with 2700 users .  
I used parameters as 0.1s Think time and 60s test duration  
and nearly at 2700 users the response time shoots and throughput saturates.

## At 2800 usercount

```
nikhil@NikhilSystem:~/test/DECS4/22M0814$ ./load_gen localhost 8080 2800 0.1 60
Hostname: localhost
Port: 8080
User Count: 2800
Think Time: 0.100000 s
Test Duration: 60 s
Total time: 60.039711
Total Response Count: 1504057
Throughput: 25067.000000
Average Response Time: 0.011626
```

## At 3000 usercount

```
• nikhil@NikhilSystem:~/test/DECS4/22M0814$ ./load_gen localhost 8080 3000 0.1 60
Hostname: localhost
Port: 8080
User Count: 3000
Think Time: 0.100000 s
Test Duration: 60 s
Total time: 60.041992
Total Response Count: 1519966
Throughput: 25332.000000
Average Response Time: 0.018317
```

## At 3200 usercount

```
nikhil@NikhilSystem:~/test/DECS4/22M0814$ ./load_gen localhost 8080 3200 0.1 60
Hostname: localhost
Port: 8080
User Count: 3200
Think Time: 0.100000 s
Test Duration: 60 s
Total time: 60.044083
Total Response Count: 1512777
Throughput: 25212.000000
Average Response Time: 0.026811
```