

## WORK EXPERIENCE

### Software Engineer NielsenIQ

07/2019 - Present Chennai, Tamil Nadu  
Marketing Research Firm which provides with customer insights

#### Achievements/Tasks

- Converted legacy engine from monolithic to **microservices** based architecture
- Worked on implementation of a Load Balancer using **Redis**
- Developed utilities in **Java** to monitor and operate on Jobs
- Optimized the **performance** ( +45%) of the core **C++** engine using advanced analysis tools
- Applied Binary Serialization for **in-memory optimization**
- Upgraded the legacy code of C++ from GCC4.8 version to GCC9 and C++11 to C++17
- Figured out the opportunities to use external libraries for **faster parsing** which showed significant improvements ( +20%).

### Intern NielsenIQ

02/2019 - 04/2019 Chennai, Tamil Nadu  
Marketing Research Firm which provides with customer insights

#### Achievements/Tasks

- Designed and Implemented regression automation system
- Changed from multiple **makefiles** for each program to single makefile for all the programs in a C++ repository
- Compiled libraries from source in Linux, linked them via makefile and used them in programs

## EDUCATION

### B.Tech SRM Institute of Science and Technology

05/2015 - 05/2019 Chennai, Tamil Nadu  
Percentage - 88%

- Course - Information Technology

## SKILLS

Java

C++

Data Structure

Algorithms

Valgrind

Linux

Spring boot

NGINX

Redis

Docker

Airflow

Microservices

GIT

Python

## LANGUAGES

Hindi

Native or Bilingual Proficiency

English

Full Professional Proficiency

## INTERESTS

E-sports

Music

Calisthenics