

**Shubham Kumar****Featured**

Software Developer/Engineer with 2.4 years+ Experience, Very strong hold in C++,C,Data Structures, Algorithms, OOPS, Design patterns, Operating Systems, Networking, Object Oriented Design,MySQL, GDB, SVN, Git, LTE/NBIOT, RRC, NAS, Embedded Systems

Current Designation: Software Engineer II

Total Experience: 2 Year(s) 4 Month(s)

Current Company: Cadence Design Systems India Pvt.Ltd.

Notice Period: 1 Month

Current Location: Delhi

Highest Degree: B.Tech/B.E.

Pref. Location: Bengaluru / Bangalore,Delhi / NCR,Hyderabad

[Electronics/Telecommunication]

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software development,Agile,C++,C,Python,Bash,OOPS,Data Structures,Algorithms,Multithreading,Operating Systems,NBIOT,LTE,RRC,MySQL,GDB,SVN,Git,Linux,STL,Qt,Wireshark,gRpc,Networking,DBMS,OS,Distribution System,Design Patterns

Verified : Phone Number | Email - id

Last Active: 20-Jan-21

Last Modified: 20-Jan-21

## Summary

2+ Years Experience in LTE/NB-IoT Network Development using C++

## Work Experience

**Cadence Design Systems India Pvt.Ltd.** as Software Engineer II  
Dec 2020 to Till Date

**Azcom Technology** as Software Engineer  
Jun 2018 to Nov 2020

Project: NB-IoT (C++ Developer)

Working in NB-IoT Layer 3 Protocol Stack Development team.

Currently leading a team of 3

Designed & developed various features including System Lock Unlock, ASN.1 encoding-decoding, timers, callbacks, system call flow, eDRX, User Equipment attach call flow

Analysed possible scenarios that may occur & developed test cases for module testing in these scenarios. Tested extensively using GDB

Designed & developed various modules which involved message handling, packet forwarding, IPC, multithreading, C++ features

Worked closely with System Integration (SINT) team & debugged issues in a fast paced environment

Project: LTE (C/C++ Developer), Client Project

Client project dealing with LTE development

Designed & developed 256 QAM, 4X4 MIMO features which combined to show a 267% increase in throughput in the lab.

Worked single handedly on these features & delivered this project to the client

Developed Preamble Format 1 feature in FDD. Delivered the

## Education

UG: **B.Tech/B.E. (Electronics/Telecommunication)** from **Ambedkar Institute Of Technology, Delhi** in **2018**

**Other Qualifications/Certifications/Programs:**

- Object Oriented Analysis and Design
- Design And Analysis of Algorithms
- Python
- Introduction to Modern Application Development
- Natural Language Processing
- VLSI Design, Verification and Test

## IT Skills

Skill Name	Version	Last Used	Experience
C++, C	11	2020	5 Year(s)
JAVA		2018	1 Year(s)
python, bash		2020	3 Year(s)
MySQL		2020	3 Year(s)
GDB, SVN, Git, Linux		2020	3 Year(s)
Qt, Selenium Webdriver		2019	1 Year(s)
MATLAB		2018	1 Year(s)
NodeMCU, Raspberry Pi, Arduino		2018	1 Year(s)
Data Structures		2020	6 Year(s)
ALGORITHMS		2020	4 Year(s)
Design Patterns		2020	1 Year(s)
OBJECT ORIENTED DESIGN		2020	3 Year(s)

## Languages Known

Language	Proficiency	Read	Write	Speak
English				
Hindi				

## Affirmative Action

Physically Challenged: No

## Work Authorization

Job Type: Permanent  
Employment Status: Full time