

Sanjay Agalave

Associate I – Software Engineer at Capgemini

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LinkedIn | Portfolio | GitHub

Experience - [1.5 year]

Associate I – Software Engineer at Capgemini || Global Village, Bengaluru. (Aug 2022 – Present)

- Design and Development of 5G || 4G -LTE || NB-IOT Protocol Stack network setup.
- Testing and updating existing codebase from OpenAirInterface using different debugging tools.
- Good working knowledge in UNIX shell scripting & Strong skills in c programming.
- Having knowledge of Unix/Linux internals.
- Good working knowledge of computer networking and it's tools and protocols.
- Proven debugging and problem-solving skills.
- Currently working on LTE-4G Technology [EPC, ENB].

Training/Internship

6 MONTHS AS A TRAINEE IN QSPIDERS PUNE DECCAN GYMKHANA. (Feb 2022 – Aug 2022)

- Good knowledge of Objects & Classes, OOPs concepts in Java.
- Having knowledge of Creating Database, Clauses, Operators, Joins, Data Types in SQL.

Education

Fabtech Technical Campus, College of Engineering and Research, Sangola.	Sangola
B. Tech Computer Science and Engineering CGPA: 8.78	July 2018 - August 2022
L.S.V.D Vidyalaya and Annasaheb Ghule (Sarkar) Junior College, Jawala.	Jawala
H.S.C Science Percentage: 66.62%	June 2017 - May 2018
Savitribai Phule Prashala and Junior College, Sonand.	Sonand
S.S.C Percentage: 76.60%	June 2015 - June 2016

Projects

5G || 4G - LTE || NB - IOT

- Resolved segmentation faults and compliance issues during the initialization of EPC on Ubuntu 20.04, addressing memory-related concerns.
- Having experience in handling multiple attaches and detaches, resolving warnings and errors related to data path and control path issues, and modifying the makefile.
- Bring-up of NBIOT-NFAPI | 4G-LTE | 5G USRP setup (UE, eNodeB, gNodeB, EPC, RF Box).
- Having good understanding of OTA (Over the Air) signaling log analysis based on QXDM.

Skills

- **Languages:** - Java Programming, Python, C Programming.
- **Operating system:** - IPC Mechanisms.
- **Computer Networking:** - TCP/IP, UDP, Routing, Subnetting, IP Addressing, Protocols.
- **Web Technology:** - HTML, CSS, JavaScript Basics.
- **Tools / Platforms:** - GitHub, Visual Studio Code, Ubuntu, Wireshark, QXDM, Vim, GDB, GitLab, cscope, ctags.
- **Databases:** - SQL
- **Technologies:** - 4G/LTE

Honors & Awards

- Happy to share that I have received the wow award from Capgemini Engineering, and they Appreciate my contribution on multiple attaches and detaches issue fixing and making LTE set up stable.

Known Languages

- Marathi, Hindi, English