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Harika Arava ⭐ Featured 📝

Passionate Telecommunication proffesional seeking roles in 5G development

Current Designation: Development Engineer

Current Company: Centre of Excellence in Wireless Technology,

Current Location: Chennai

Pref. Location: Bengaluru / Bangalore,Hyderabad,Chennai

Functional Area: IT Software - Application Programming / Maintenance

Role: Team Lead/Tech Lead

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 2 Year(s) 5 Month(s)

Highest Degree: B.Tech/B.E. [Electronics/Telecommunication]

Key Skills: Development Engineer,Team Lead/Tech Lead,Software Development, Design Development, Requirement Gathering, Project Management, 5G NAS Stack Development,Python,Java,SDN,VFN,Wireshark, Postman,Mininet,Open Daylight,Docker

Verified : 📞 Phone Number | Email - id

Last Active: 23-Jan-21   Last Modified: 23-Jan-21

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Summary

2 years of software development experience in 5G domain
Expertise in 5G NAS stack and 5G Core Network Function development
Expertise in C++, C and Object Oriented Programming
Fair knowledge in Python and Java
Familiar with Linux kernel module programming
Good understanding of SDN and NFV architectures
Hands-on experience with networking tools like Wireshark, Postman and Mininet
Working knowledge of containerization technologies like Docker

Work Experience

◉ **Centre of Excellence in Wireless Technology,** as Development Engineer
Aug 2018 to Till Date

5G NAS Stack Development
This project deals with the development of UE 5G-NAS stack supporting 3GPP & Non-3GPP accesses
Worked on the requirement analysis, design and development of NAS layer
Involved in the architectural design and development of UE Higher layer stacks
POC for integration of UE Higher layer stacks with L3 stacks of 3GPP & Non-3GPP
Expertise in debugging the N1 procedures in the end-end system
Working experience on Registration, 5G-AKA, Session management , QOS management, Service Request, and Paging procedures
Working knowledge of RRC and NGAP procedures
Finer Understanding of Non-3GPP (Untrusted) access procedures
Security protocols implementation at NAS and USIM
Finer understanding of specifications (TS 3GPP 24.501, TS 3GPP 23.501, TS 23.502, TS 33.501 and TS 24.502)
5G Ran Emulator
5G Ran Emulator is an in-house developed tool by CEWiT to emulate the functionality of subsystems in 5G, enabling the end-end testing of procedures
- Actively Coordinating the integration of UE higher layer stacks(NAS, UE Controller, Data Manager and Connection manager) with Lower layer stacks (RRC and SDAP), USIM and Access Network stub's(both 3GPP and Non-3GPP)
- Expertise in debugging the issues related to end-end integration of subsystems
5G Core - AUSF Development
- Worked on the design and development of AUSF in Service Based Architecture
- POC for integration and managing end-end dependencies of AUSF in 5G Core
- Exposure to the development of 5G core NF's (NRF, AMF, SMF and UDM)
- Finer understanding of specifications (TS 3GPP 33.501 and 29.509)

finer understanding of specifications (TS UGPI 38.331 and 23.050)

Education

UG: **B.Tech/B.E. (Electronics/Telecommunication)** from **Indian Institute of Information Technology (IIIT), Sri City** in **2018**

IT Skills

Skill Name	Version	Last Used	Experience
C++, C, Java and python			
Wireshark, Postman, Mininet,			
Open Daylight (SDN Controller),Docker			
5G, SDN and NFV			

Languages Known

Language	Proficiency	Read	Write	Speak
ENGLISH				
HINDI				
TELUGU				

Affirmative Action

Physically Challenged: **No**

Work Authorization

Job Type: **Permanent**

Employment Status: **Full time**