# Sharath Chandra N ⭐ Featured

Software Engineer seeking assignment in Software Development,Software Application Development,Project Management,Requirement Gathering,Python automation,Shell scripting,Data Structures,Data Algorithms,Automation Testing,Software coding,C,Python,JIRA

Current Designation: **Software Engineer**

Current Company: **DSP Group**

Current Location: **Bengaluru / Bangalore**

Pref. Location: **Bengaluru / Bangalore,Chennai,Hyderabad**

Functional Area: **IT Software - Application Programming / Maintenance**

Role: **Software Developer**

Industry: **Telcom/ISP**

Marital Status: **Single/unmarried**

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

Notice Period: **3 Months**

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

Key Skills: Software Engineer,Software Developer,Software Development,Software Application Development,Project Management,Requirement Gathering,Python automation,Shell scripting,Data Structures,Data Algorithms,Automation Testing,Software coding,C,Python,JIRA,GIT

**Verified :** **Phone Number |** **Email - id**

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

# Summary

Software Engineer with experience in Python automation framework development for audio quality measurement, performance measurement and validation of SDK. Experience in Developing application with C for FXS/FXO events and audio detection used for automation testing, coding for I2C, SPI.

# Work Experience

**DSP Group** as Software Engineer
Jul 2018 to Till Date

Software Engineer - 07/2019 to present
DSP Group, Bangalore
*    Developed a Linux userspace application for detection of Analog phone events from Sangoma's FXS/FXO PCIe card to capture audio for analyzing and comparison of rx and tx using python.
*    Automation using Python for performance measurement of VoIP device under test with performance measurement, Audio Quality, network jitter, number of call instances supported.
*    Automating the test process for Validating the SDK and its new integrated application features.
*    Debugging and coding for I2C, SPI communication interfaces.

Project Trainee Engineer - 07/2018 to 06/2019
DSP Group, Bangalore
*    Automation using Python for SIP Dialogue to establish VoIP call between two endpoints.
*    Audio quality measurement of call, RTP Packet parsing for payload detection.
*    Developed a shell script to create a bridge between WIFI and Ethernet on Raspberry Pi which also runs Kamailio SIP server and DHCP server used in 'CES' Demo.

# Education

**UG:** **B.Tech/B.E. (Electronics/Telecommunication)** from **Jawaharlal Nehru Technological University (CMRTC), Hyderabad** in **2018**

## IT Skills

| Skill Name | Version | Last Used | Experience |
|---|---|---|---|
| C, Python | | | |
| scipy, numpy,wave, paramiko, selenium | | | |
| ROBOT FRAMEWORk | | | |
| Salae logic analyser, Trace32, GIT, JIRA | | | |

## Languages Known

| Language | Proficiency | Read | Write | Speak |
|---|---|---|---|---|
| English | Proficient | | | |

## Affirmative Action

Physically Challenged: No

## Work Authorization

Job Type: Permanent

Employment Status: Full time