Name	Lajul Soni
Email ID	lajulsoni24@gmail.com
Phone No	8878648322

Experience Summary (Total 0.10yrs Experience)

- 10 Months experience as **Embedded Software Engineer**.
- Hands on experience in **C programming** and **Linux Internals.**
- Good Knowledge on using the Configuration Management tools like **GIT.**
- Good Knowledge on the **Linux Device Drivers** (character).
- Good Knowledge on **Data structures**.
- Hands on experience in **Kernel cross compiling.**
- Hands on experience in **Board Bring** up for target embedded devices.
- Good knowledge and experience of **Linux os** and **Windows Platforms**
- Basic knowledge in **Python.**

Skill Summary

Qualification	B.Tech (ECE)
Languages	C , Data Structure, Linux,Python
Platforms	Unix/Linux , Windows
Version Control Systems	Git.
Compilers	Gcc (GNU)
Tools	Cscopes, Ctags, QXDM, QPST.
Debugger	GDB
Hardwares	Arm processors, microcontrollers.
Modules	Raspberry-Pi , Beagle bone black
Protocols	UART , I2C , SPI , UDP, TCP.

Project Summary

Company: Votary Softtech Solutions SEP-2018 to till now	**Project -1:** **Project Title** : **AUDIO GATEWAY**. **Tool** : GCC - GNU. **Role and Responsibilities:** - Establishing a connection between server & client using the UDP Protocols. - Transmitting the Audio packets by using the UDP Protocols. **Description :** 1. There are n no of users on the audio conference call 2. Each active user is sending audio packets to a centralized Wi-Fi based Hub . 3. Hub is receiving all the packets and sends to each user all the packets except for its own packet . 4. Basically audio conferencing objective should be met with hub doing everything and sending one combined packet to each user in real time.

Project -2:

Project Title   : **SET-TOP BOX**.

Tool   : GCC - GNU.

Description: A set-top box is a hardware device that allows a digital signal to be received, decoded and displayed on a television. The signal can be a television signal or Internet data and is received via cable or telephone connection.

Project -3:

Project Title   : **BROAD BRING UP**.

Hardware   : MSM M8909/8905-S

Tool   : QPST tools (QFLASH, QFIL,QCN)Ubuntu 14.04

                                       version.

Module   : LYF mobile

Role and Responsibilities :

- Initial log analysis.

- Support for Bug fixing to internal term for the client project.

- Maintenance and testing of source code.

Project -4:

Project title   : **IMPLEMENTING A DRIVER FOR DHT11 SENSOR AND FILE-SYSTEM.**

Tools   : Gdb, Git, Ctags.

Tool chain   : Arm-Linux-gcc Tool Chain.

Roles and Responsibilities :

- kernel building for raspberry pi.

- Analyzing the logs.

- Resolving the kernel oops with Gdb tool.

Description: DHT11 sensor measures the temperature and humidity,It mainly used in domestic and industrial purposes. Driver code here is getting a data transfer to user mode.

File system is used to arranging the files in a particular order in a disk. Each file system (NTFS, FAT, EXT) follows different data structure. I

	had done with conversion of file system by using source code.
Institute Project	**Project Title** : Sophisticated Sign Board Power Saving System. **Role** : Software Development. **Technical Details** : Embedded C and AT89S52 controller. **Description** :This Project is designed for power saving achieved by scheduling the device on-off timings properly, which is done by micro-controller. First monthly calendar database is designed by making use of keypad and RTC and after that device on-off timings will be scheduled and saved in EEPROM using I2C protocol.
Academic Project	**Project** : Mobile jammer **Role** : Software Developer. **Technical Details :** Voltage controlled oscillator. RF amplifier,`Tuning circuit. **Team size** : 5 **Description** : Design a jammer which is capable of jam the device in 10meter area.
Academics	B-Tech | ECE | 2012-2016 | 75.4 % BTIRT Engineering College, Sagar(m.p) Intermediate (+2) | PCM | 2012 | 84.4% Secondary School Certificate (SSC, X) | 2010 | 87.6%
Certifications	Completed Embedded systems certification from **Vector India**.
Personal Details	Name : Lajul Soni Father's Name : Bhagirath Soni Date of birth : 11-Dec-1993 Sex : Male Marital status : Unmarried Nationality : Indian Languages Known : English and Hindi. Hobbies : Bike riding, Workout ,Listening song.

Declaration:

I here by declare that the above information is true to the best of my knowledge and belief.

Place :

Date :   (Lajul Soni)