Name	Chaithanya Mekala
Email ID	Chaithanya.mekala516@gmail.com
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Experience Summary (Total 0.9 yrs Experience)

- 9 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 and Porting.**
- Hands on experience in **Board Bring** up for target embedded devices.
- Good knowledge and experience of **Linux** os and **Windows Platforms**

Skill Summary

Qualification	B.Tech (ECE)
Languages	C , Linux , C++, Embedded C , DS, 8051.
Platforms	Unix/Linux, Windows
Version Control Systems	Git.
Compilers	Gcc (GNU), Keil , arm-linux (Cross-Compiler), Make.
Tools	Cscopes, Ctags.
Debugger	GDB
Hardwares	Arm processors, microcontrollers.
Modules	Raspberry-Pi.
Protocols	UART , I2C , SPI , UDP.

Project Summary

Company: Votary Softtech Solutions SEP-2018 to till now	**Project -1:** **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 -2:** **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 -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 FILESYSTEM.**

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** : **WIRELESS HALTING SYSTEM**. **Role** : Software Development. **Responsibility** : Involved in Requirements , Developed Unit testing. **Technical Details** : Embedded C and AT89S52 controller. **Description:** The aim of the project is to establish a low cost wireless industrial automation system based on Zig-Bee module. It is designed for monitoring and turning off the computers (machines) remotely from a centralized location. Thus by eliminating the need for a person to manually verify and turn off the pc, it optimizes the resources and reduces the power consumption.
Academic Project	**Project** : **IOT INDUSTRY AUTOMATION.** **Role** : Software Developer. **Responsibility** : Involved in Requirements, Development and Unit Testing. **Technical Details :** Embedded C and LPC2148 controller. **Team size** : 4 **Description:** The project is aimed at the development of firmware for “Smart Switch”, which can be used to control the on-off operations of an electrical device in an Industry. The smart switch is connected to industry remotely in a LAN by using IP connection and a pre-programmed IP address is used to establish the connection to the smart switch. After configuring the network mode and security type, User can operate the switch by Simply sending numbers “0” and “1” to control the electrical device in the industry.
Academics	B-Tech | ECE | 2013-2017 | 73.18 % SR Engineering College, Warangal. Intermediate (+2) | MPC | 2013 | 84% Secondary School Certificate (SSC, X) | 2011 | 83%
Certifications	Completed Embedded systems certification from **Vector India**.

Personal Details	Name : Chaithanya Mekala Father's Name : Kattamallu Date of birth : 26th Oct 1995 Sex : Female Marital status : Unmarried Nationality : Indian Languages Known : Telugu, English and Hindi. Hobbies : Singing Songs, Listening to music and playing caroms.

DECLARATION:

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

Place :

Date : (CHAITHANYA MEKALA)