**Name**:Manjunatha Hegde

***Cell NO:*** 9008654944

Email: [manju2hegde@gmail.com](mailto:manju2hegde@gmail.com), **manjunatha.hegde@hcl.com**

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| **OBJECTIVE** |

A career with a progressive organization that will use my education, skills, abilities and experience where I can effectively contribute to the growth of company and myself.

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| **PROFILE** |

Self-motivated, confident Software Developerwith a successfully 4.6 years track record of productive contribution towards the company’s growth. Working exposure in Linux OS and Windows platform. Proven leadership skills and strong analytical skills.

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| **EDUCATION** |

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| Course | **University/Board(Institution)** | **Year of Passing** | **Aggregate** |
| B E  (Electronics and communication) | Visvesvaraya Technological University, Belgaum. (R.L.Jalappa. Institute of Technology) | **2009** | **65. 3%** |

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| Examination passed | Board/University | Institution Name | **Aggregate** |
| Diploma (E&C) | Board of Technical Education | VIDYADHIRAJ POLYTECHNIC KUMTA | 62.2% |
| X | SSLC | Pragathi Vidyalay Muroor | 60% |

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| **TECHNICAL SKILLS** |

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| **Programming Languages** | Assembly coding , Embedded C,C++ |
| **Operating Systems** | Windows xp, GNU/Linux., RTOS(VxWorks) |
| **Hardware Platforms** | Intel 8051, ARM(LPC2148,LPC2129),PIC,AVR ,  ORCAD |
| **Software and Utilities** | Microcontroller Programming: 8051,ARM7  LINUX Device Driver,Windows device driver (WDK),Keil. |

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| **SUMMARY OF EXPERTISE** |

* Software developer around 4.6 years of experience.
* Good knowledge in C.
* Good knowledge in C++
* Working exposure in Linux Device Driver
* Working exposure in Windows device driver using WDK
* Good coding and debugging skills.
* Good Knowledge in Microcontroller programming
* Good Knowledge in Communication protocol like I2C,SPI,UART,Ethernet,PCI and USB

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| **PROFESSIONAL EXPERIENCE AFTER B.E** |

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| HCL Technologies | **October 2011 to till date** |
| Advanced Software Development Lab | **August 2009 to October 2011** |

**PROJECTS HANDLED:**

**Project Name 1: Windows Device driver development.**

**Project details :**

Project involves creating a standalone PCI driver for Realtek NIC HW and USB storage device. The application associated with driver crafts the entire Ethernet frame in user-mode and sends it to the driver to be transferrde.

**Technologies/ Tools**: KMDF, C, Win32 API, WinDbg, Debugview, SDV, Prefast

**Responsibilities:**

* Requirement understanding & design doc preparation.
* Implemented Application for making use of implemented driver functionality.
* Implemented PnP and Power management functionality.
* Understanding USB stack and writing the driver for USB storage device .
* Performed complete debugging & testing to ensure quality.

**Duration:** 7 months

Project Name 2 : Scanner module development and issue fixing for Xerox printer .

**Project details:**

This project is built on RTOS called run time OS ,which supports C,C++ code .Scanner is running with in finite state machine which change sate when task change . Scanner module is responsible for scanning the document when user please the paper on scanner .CCD Lamp carriage (or paper for document handler ) will move to scan the document .CCD electronic will capture the image of the document and send to the

Video link for processing.

**Technologies/ Tools**

Hardware used: ARM9

Software used : C ,C++,RTOS, Linux.

Protocol Used: UART,CDI,SPI, On-board debugging(JTAG, uLink) using Keil, Eclipse IDE

Interface : Motor controller, Scanner Lamp, Sensors, Video link , CCD array .

Application: Scanner module is responsible for Scanning the document in printer .

**Responsibilities:**

* Requirement understanding & design doc preparation.
* Implemented Application for making use of implemented driver functionality.
* Power management functionality.
* Understanding the Scanner functionality and fixing the isue .
* Performed complete debugging & testing to ensure quality.

**Duration:** 20 months

Project Name 3 **:** Multipoint Video communication using Ethernet .

**Project details:**

The whole system is closed communication for Play Home to office through dedicated server . The Camera captures the Image or Video and transmits through Ethernet . From sitting in office one can receive that image or Video and communicate with the Play home Unit. Also one can send message to Play home by logging with the client server .

**Responsibilities:**

* + - Worked on Communication between Server and office(client) .
    - Developed API’s for keypad and display driver

**Technologies/ Tools**:

Hardware used : ARM9(OMAPL138)

Software used :Embedded C ,Linux Device driver

Protocol Used :Ethernet ,USB,SPI, i2c,USART.

**Duration:** 14 months

Project Name 4 **:** Data Display using Parallel Port using X86 Architecture

**Project details:**

Digital Signage is a form of electronic display Device that is installed in public spaces to entertain, inform or advertise products and services. And mainly includes Customer Display and Price Verifier.

**Responsibilities**

Developed API’s for keypad and display driver

**Technologies/ Tools**:

Hardware used : X86

Software used :Embedded C ,Linux Device driver

Protocol Used :Parallel Ports

Application :Railway Data Display

**Duration:** 10 months

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| EXPERIENCE AFTER DIPLOMA: |

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| **M/S V-GUARD INDUSTRIES PVT LTD** | Aug 2003 to April 2005, |
| **M/S UNIPAR ENERGY SYSTEM PVT LTD,** | September 2001 to July 2003. |

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| **PERSONAL DETAILS** |

**DOB :**  05/07/1980

**Notice Period :**  30 DAYS

**Permanent Address** : S/O: GOPALAKRISHNA HEGDE,AT: KONARE,

PO: MUROOR,

TQ: KUMTA,

DIST: UTHARAKANNADA, Pin: 581343.

Ph no:(08386)268324

**Place: Bangalore.**

**Date: [MANJUNATH HEGDE ]**