RESUME

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| GANESH SanagappaBendre,  #1-2-67(N),Teen dhukangalli,  Old Town Area, Bhalki-585328  BidarDist.,Karnataka. | Email:bedrevsganesh@gmail.com  Tel: +919620337360. |

**Work Experience**

Total 2 years of experience in the industry.From June 2012 to till date.

* Presently working in **LSI India Research and Development Pvt. Ltd** (Systems Application Engineering team)as Project Trainee.

Resolved many Critical and stop ship issues in storage controller Firmware and supporting OS applications provided by LSI. These defects are provided by LSI’s customer while integrating LSIs

Product into their design.

* Having good working knowledge of the Common Information Model (CIM) and  Web Based Enterprise Management (WBEM) standards defined by the Distributed Management Task Force.
* Worked with Different CIM clients such as Cimcli, Wbemcli.
* Pursued one year of Internship (Jun-2012 to July 2013) at **LSI India Research and Development Pvt. Ltd**, Bangalore, in **Systems Application Engineering** team.
  + Worked on implementing a Proof of concept which was part of a future product
  + Resolved hardware and firmware issues in LSI controllers and HBAs.

**EDUCATIONAL QUALIFICATIONS**

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| **Course** | **Year** | **Name of Institute** | **Board/University** | **Performance** |
| M.S  (Embedded Systems) | 2011-2013 | Manipal Centre for Information Science, Manipal | Manipal Academy of Higher Education (MAHE), Manipal | GPA  9/10 |
| B.E  (Electronics & communication) | 2007-2011 | S.J.C Institute Of Technology,Bangalore, Karnataka | Visweshwaraiah Technological University | 80% |
| PUC | 2007 | Shree Guru College,oza layout old Jewargi. Gulbarga | Karnataka Board | 78.66%  (Pcm:80.33%) |
| SSLC | 2005 | Sangameshwara high school,gunjBhalki(Bidardist) | Karnataka Board | 87.20% |

**TECHNICAL SKILLS**

* **Programming Languages**: C, Data structures using C, Basic LINUXShell Scripting, Python Scripting, Perl .
* **Protocols** : PCI Express, SPI, I2C
* **Standard :**SNIA SMI-S,WBEM/CIM
* **Operating System** :Unix Internals,Windows XP/ Vista/7
* **Controllers** : Intel 8051, 8086
* **Version control :**Clear case

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**Project Highlights**

**1“SHARING DDR3 MEMORY PRESENT IN AN HBA ACROSS PCIE INTERFACE”**

**Description:** Implemented a solution to share DDR3 memory across PCIe interface.

This experiment involved using one HBA with DDR3 DIMM on board and two or more HBAs (Host Bus Adapter) without DDR memory. With all the HBAs present in the same PCIe topology, the DDR3 memory of the HBA should be used by the other HBAs which do not have local DDR memory

U-Boot which is the SAS2 Controller SDK boot loader was used to achieve the objective of this project. The U-Boot was customized for this project to enumerate the PCIe topology, PCIe memory mapping and PCIe memory configurations as per the project requirements.

The Project helped in gaining the understanding of controller SDK, PCIe root complex behavior and also the memory packet transactions in a PCIe topology. Got good understanding of PCI E protocol.

**2. IO TRACKING TOOL for Gen2 controllers of LSI.**

This tool is a Perl script which is primarily designed to operate on parsed firmware diagnostic buffers from diagnostic builds of firmware, but will work on ring buffers too. It encapsulates several pieces of data analysis and is intended to assist with debugging firmware issues and identifying key points in a trace buffer.

Advantages of the tool:

1. Calculate number of IOs started, completed and aborted for each Dev handle (Unique id assigned to each device by firmware).
2. Lists the number of occurrences of a firmware print string within the input file, and is used to help us to determine which print strings are the best candidates for removal.
3. Tool also provides task management information (Different type of Tasks and their present state).

**3. REGISTER DUMP PARSER TOOL**

Developed a python script for decoding the different register description in firmware output file. This is an LSI internal tool.

Advantages of Tool

1. Used to decode firmware logs.
2. This tool is helpful for debugging hardware related issues.
3. It reduces the debug effort while analyzing firmware logs.

**ACADEMIC PROJECTS**

**REMOTE SURVEILLANCE ROBOT**

**Description**:The aim of the project was to develop a model using **Microcontroller-8051**that could be used to provide security.

The Robot we developed was able to move forward, backward, right and in left directions controlled by a remote. We placed a laser gun on the top of the robot,the programming was done in such a way that wheneverrobot notices any obstacles it starts firing (laser gun will emit light). Objective of project is achieved using **Embedded C** coding.

This project helped in gaining the knowledge of Microcontroller architecture.

**Applications:**The robot can be used in military system to minimize the terror attacks.

**REMOTE ACCESS FOR SHOPPING MALL**

**Description**:In this project we developed a model for shopping purpose using **Microcontroller 8051 and GSM Modem**.

The objective of this project was to communicating to business areas using GSM modem. Got good knowledge of Microcontroller architecture and interfacing devices to 8051.The coding used is Embedded C.

**EXTRA CURRICULAR ACTIVITIES**

* Actively participated in many Mathsquizzes and got prize for the same at taluk level.
* Participated in **International Chinthana Mathematics Examination** and got bronze medal.
* Active participant in Speech and won prize for the same at taluk level.
* Active participant in Skit at college fest SAMBHARMA.

**PERSONAL DETAILS**

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| Father’s Name | Sri SangappaBendre |
| Mother’s Name | SmtVanmalabaiBendre |
| Date Of Birth | 5th June 1991 |
| Nationality | Indian |
| Gender | Male |
| Hobbies | Collection of Articles, playing Cricket,watching movies, Sharing knowledge with others. |
| Permanent Address | SanagappaBedre  #1-2-67(N),Teen dhukangalli,  Old Town Area, Bhalki-585328  BidarDist,Karnataka. |
| Languages Known | Kannada,Marathi,Hindi,English and Telugu. |

**DECLARATION**

I hereby declare that the particulars given herein are true to the best of my knowledge and belief.

Place: Bengaluru

Date: (GANESH.S.BEDRE)