

**HASHNA**

**E-mail ID :**

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**CARRIER OBJECTIVE:**

To be a part of a company that indulges professional growth which provides challenging growth and rewarding career while allowing me to utilize my knowledge and skills.

**Proficiency:**

|  |  |  |
| --- | --- | --- |
| HDL&HVL | **:-** | Verilog and SystemVerilog |
| Hardware | **:-** | Zedboard(ZYNQ System XC7Z020-Verilog CLG484) |
| Tools | **:-** | Questasim , Vivado |

**MAJOR PROJECTS**

1. **VGA CONTROLLER**

Designed a VGA controller which is a standard interface for controlling analog monitors. The major blocks of the VGA controller include a clock divider, Horizontal sync generator, Vertical sync generator and RGB generator modules. Designed VGA controller using Verilog and implemented using Zed Board.

1. **ROUND ROBIN ARBITER**

Development of Verification Environment of an using SystemVerilog .The purpose of this project was to build a verification environment for the given Round Robin Arbiter design using SystemVerilog and check for the correct functionality in accordance with the intent specified in the specifications of the device with a resulting 100% Code Coverage and 100% Functional Coverage. Software Tools: QuestaSim.

**MINOR PROJECTS**

**1) LED DRIVER**

Developed a Verilog code for Led Driver and implemented it on Zed Board.It consists of an 8x16 ROM structure that is used to drive a row of LEDs on the Zed Board. A clock of 100Mhz is divided, which will drive a counter that addresses the mem module that is already created.

1. **Synchronous FIFO**

The purpose of this project was to build a verification environment for the given Synchronous FIFO using SystemVerilog and check for the correct functionality in accordance with the intent specified in the specifications of the device with a resulting 100% Code Coverage and 100% Functional Coverage. Software Tools: QuestaSim.

**EDUCATIONAL QUALIFICATION**

BTech in Electronics & Communication (2014-2018)

Higher Secondary Education (2014)

**WORK EXPERIENCE**

6 months internship

**WORKSHOP ATTENDED**

1. Attended an industrial training based on in “Embedded System Design” from Bitsforge Technologies Pvt Ltd, Kakkanad, Kerala.
2. Attended workshop on “Introduction to VLSI Design” by CVC Pvt Ltd,

Bangalore.

**LANGUAGES**

English , Malayalam , Hindi

**STRENGTHS**

1. Positive thinking
2. Self-respecting and Adaptable
3. Ability to work in a team
4. Good communicational skills

I do hereby confirm that the information given above is true and to the best of my knowledge.

**HASHNA**