Akhila Katuru

As a fresher, I want to work in a highly competitive environment with a perfect challenge by contributing the best for the growth of the organization while ensuring growth in my personal career.

CONTACT

8688968881
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Gannavaram, Andhra Pradesh

SKILLS

- Verilog, Python
- perl
- Linux
- Siemens PD EDA Tools
  - ModelSim
  - Quartus prime
  - Tanner
  - Oasys RTL
  - Aprisa
  - Calibre

EXPERTISE

- Digital Electronics
- CMOS Fundamentals
- VLSI – Physical Design

EDUCATION

Professional Training

Advanced Physical Design & Verification
Maven Silicon
May 2022 - Present

Bachelor of Technology

Electronics and Communication Engineering
Lakireddy Balireddy College of Engineering, Mylavaram
CGPA: 9.2
June 2018 - May 2022

Intermediate

Narayana Junior College, Gudavalli
Percentage: 96.7
June 2016- March 2018

Secondary School

Sravanti High School, Gannavaram
CGPA: 9.8
April 2016

PROJECTS

Router Project – Maven Silicon

EDA Tools: Modelsim, Quatrus prime, Tanner, Oasys, Aprisa
Description : In this project we performed Physical Design flow for Router Design. Where we did the following things:

- Synthesized RTL Scripts in OASYS RTL TOOL
- Did Floor Planning and Power Planning, Placement and Optimization, Clock Tree Synthesis, Timing Analysis and Routing in APRISA TOOL
- Physical Verification: DRC, LVS, and PERC are executed in CALIBRE Tool

RISC-V Architecture – Maven Silicon

EDA Tools: Oasys, Aprisa
Description: The RV321 processor is designed to support all

CERTIFICATION

- NPTEL
  The Joy of using Python for Programming

PERSONAL PROFILE

Date of Birth	: 02-02-2001
Place of Birth	: Gannavaram
Gender	: Female
Nationality	: Indian
Father Name	: K.Siva Sankar
Mother Name	: K.Sireesha Rani

HOBBIES

- Crafting
- Dancing
- Listening to music

QUALITIES

- Commitment towards goal
- Accountable
- Flexible and Creative Team Player

LANGUAGES KNOWN

- English
- Hindi
- Telugu

RV321 Base integer instructions (total-39). It's a three-stage pipelined processor which executes 32 bits in program order.
Physical Synthesis is performed using OASYS and "PnR flow" is performed using APRISA.

Object Detection Mechanism using Deep CNN Model – Engineering Major Project

In this project, the object detection for digital image, video and by using web camera by using the deep learning method is implemented with high accuracy than the existing methods Here, we take care of the following things:

- Deep Learning
- CNN
- COCO Dataset

WORKSHOP

Arduino Workshop – LBRCE

Introduction to Arduino, an overview on Arduino IDE, Coding Fundamentals, and what projects can be done using this Arduino board and implemented basic projects under trainer's supervision.

ACHIEVEMENTS

- Won 1st prize in the General Knowledge Quiz competition at the District level in 2012 and Mandal level in 2015 during schooling.
- Won 1st prize in the 13th Ganitha Bala Award Mathematical Competition in 2014.
- Won 2nd prize in Krishna District Level Cultural Competitions conducted at the school level in 2015.

DECLARATION

I hereby declared that the above-mentioned particulars are true and correct to the best of my knowledge and belief.

Date : 06-04-2023
Place: Gannavaram

Katuru Akhila