Pravallika Reddy

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Anantapur-515001, Karnataka

Career Objective

To obtain a career in Industry as a Physical Design Engineer, where I can contribute my skills for organization's success and improving my technical ability while being resourceful, innovative and flexible.

Core Competancy

- Profeciency in Logical Design
- Scripting skills with Unix, Perl, TCL
- Chip floor planning, dealing with IR power constraints
- Automatic placement, clock tree synthesis, and routing
- Hands-on experience on ICC2 compiler from Synopsys
- Clear understanding of ASIC design flow

Education Details

Advanced Diploma in ASIC Design **2023**

RV-VLSI Design Center

Bachelor Degree in **Electronics and Communication** **2021**

R L Jalappa Institue of Technology, with 7.86 CGPA

2017

Narayana Jr. College, with 90 %

SSLC **2015**

Viswa Bharathi English medium High School, with 98 %

Projects worked on

IBM Client: PMI

APPLICATION DEVELOPER-IBM CLOUD FULLSTACK Jan-2022 to Dec-2023

Openpages

Description

I have worked on the specific requirement where users need to be assigned roles, groups and profile which are raised in other tool to link with this product and reflect in their user profile

Tools

Sql, python

Challenges

- setting up the environment and learning the languages was responsibility in starting
- worked as Team member and first tried to set the data source in the backend.
- Then helped with some part of code to assign the roles groups and profile accordingly.

Domain Specific Project

RV-VLSI and Embedded Systems Design Center

Graduate Trainee Engineer Oct-2022 to Jan-2023

Lakshya

Description

Designing Quality of chip by reducing power, area and increasing performance. Optimized output without any violations.

Tools

ICC2 shell

Challenges

- Reducing the IR drop after many iteration
- Reducing congestion in the design
- minimizing DRC errors

B.E / B.Tech Academic Project

R L Jalappa Institue of Technology

Design and implementation of smart movable road divider using IoT

Description

Road dividers will automatically move to the other side of the road where the density of the vehicles is less which is detected by the sensors used and which is connected to the controller and sends the signal to the motor to move accordingly.

Tools

Hardware : PIC16F877A-I/P, LCD, Power supply, Sensors, Relay drivers, DC motor Software : Embedded C, MP Lab IDE, PICKIT2

Challenges

- Choosing the microcontroller which completes our requirements and in budget was bit challenging.