Mohammed Amir Shaikh
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Career Objective

To obtain an entry-level position at respected organization and utilize the educational qualifications and knowledge that I have obtained in Electronics and Communication department.

Core Competancy

- Good knowledge on ASIC design flow
- Worked on block level of 40nm technology (Floorplan, Powerplan, Placement, CTS, and Routing)
- Knowledge on Logic Design, EDA tools and Linux
- Experience on Synopsys PT shell and Synopsys IC complier
- Understanding of TCL scripting
- Know how to do manual floor planning based on data flow lines and ports
- Analyzing and fixing the IR drop, DRC and LVS issues
- Analyzing the timing reports and and know how to fix the Transition, Setup and Hold violations
- Analyzing and fixing the congestion issues
- Optimizing the CTS for maintaining the skew and slew limits for maintaining the skew and slew limits

Education Details

Advanced Diploma in ASIC Design **2023**
RV-VLSI Design Center

Bachelor Degree in **Electronics and Communication** **2022**
Poojya Doddappa Appa College of Engineering, with 7.01 CGPA

2018
Shree Guru Ind PU College of Science, with 66 %

SSLC **2016**
Hussain Public School, with 80.48 %

Domain Specific Project

RV-SKILLS For Emerging Technology

Graduate Trainee Engineer Oct-2022 to Feb-2023

Block Level Of APR Flow

Description

Block level implementation 40nm technology consists of 38 Macros , 7 metal layers with a voltage drop of 5V and operating frequency of 833MHz

Tools

Synopsys PT shell, Synopsys IC Compiler

Challenges

- Creating a good floorplan so it can met proper IR drop and no DRC violations
- Timing violations related to the setup and hold slack
- Fixing congestions after routing

B.E / B.Tech Academic Project

Poojya Doddappa Appa College of Engineering

Solar Powered Automatic Grain Dryer

Description

The main objective is to make the work of farmers easy, faster and highly efficient in grain drying, post harvest for storage. The designed mechanism takes less time to dry up grain using solar photovoltaic based drying as compared to traditional

Tools

Software - Arduino IDE. Hardware - Arduino UNO, DHT11 Temperature and Humidity Sensor, DC Motor Driver, Solar panel

Challenges

- Installation is hard. Due to limitations is solar energy collection, the solar drying process is slow in comparison with dryers that use conventional fuels.