MANIYAR MOHAMMED SAQLAIN

📞 +91 9177562751 ✉ maniyarmohammedsaqlain@gmail.com 👤 Github in Linkedin

ABOUT ME

I aim to commence my VLSI career with a leading and exceptional semiconductor Firm. My objective is to actively contribute to the company's success through my skills and dedicated efforts there by fostering the growth of company and my skills .

TECHNICAL SKILLS

- System Verilog
- UVM(basics)
- Verilog
- Python Programming
- Linux
- TCL

EDA TOOLS

- Synopsys DC (Basics)
- Synopsys ICC2 (Basics)
- Modelsim

AREA OF INTEREST

- Design Verification
- CMOS
- Digital Electronics
- Physical Design
- STA(basics)

LANGUAGES

- English
- Hindi
- Telugu
- Urdu

EDUCATION

Vellore Institute of Technology, Vellore
Master of Technology in VLSI Design(Aug 2023 -Present) 75.6%

G .Pullaiah College of Engineering and Tech, Kurnool
Bachelor of Technology in ECE (Aug 2019 -May 2023) 73.2%

Sri Chaitanya Junior College, Kurnool
Intermediate in M.P.C (June 2017 - March 2019) 84.4%

Sri Chaitanya Techno School, Kurnool
Class X (March 2017) 83.3%

PROJECTS

Design of Two Stage Test Vector Compression
Tools used: Python IDE and Tessent (Working)
- X-Filling using Hybrid filling algorithm and Followed by ASRL compression Technique
- Second stage compression using V9C coding Technique

Design of double precission Floating point multiplier
Tools Used : Model sim | Synopsis Design Compiler | Intel Quartus (Aug 2023 - Dec 2023)
- Designed a floating-point multiplier that can produce an approximate result through exponent addition and mantissa multiplication.
- Comparision was done which reveals reduced Power consumption and cell count.
- Further carrying out to complete entire ASIC flow (RTL-GDSII).

Smart Shoe Electricity Generation using Piezo Electric Transducers (Jan 2023 - May 2023)
- With the help of Piezoelectric material the applied mechanical energy is converted into electrical energy.
- This experimental result generates an output of average power of 7mw to 9mw per shoe at a walking speed of 4.8km/h.

EXTRA CURRICULAR ACTIVITIES

- Python Coder of the Week organised by GPCET, Kurnool
- Internship on Website Development
- Playing Badminton
- Listening Music