CHANDANA L

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43/16 presidency English school road,
Virat nagar circle, Bommanahalli,
Bangalore-560068

Objective

Seeking a challenging career where my analytical, interpersonal and technical skills are effectively recognized and utilized to the best of my capabilities, there by contributing to the progress of the organization and hence growing personally.

Education

2021-2017 **B.E** PES University Electronic City Campus **7.24 CGPA**

2017-2015 **II PUC** Christ PU College, Bangalore **90.67%**

2015-2014 **SSLC** Lorven Public School **91.20%**

Technical skills

Software skills : C programming and C++, Web designing, MS Office

Hardware Description Language : Verilog HDL, VHDL

Mathematical Tool : MATHLAB, Xilinx Vivado, Cadence

Experience

Fresher

Area of interest

Programming, Digital electronics

Achievements

Presented a paper **NATIONAL SEMINOR** on "Consumer Awareness E-instruments and Health" held in Chennai

Secured **state 4th rank** in "KANNADA PRATIBHA PARIKSHA"

Volunteering for **hospitality** at "**MAAYA**" college fest

Secured **2nd topper** in school at SSLC

Projects

45nm Binary weighted DAC using W-2W Current Mirror Topology (Cadence tool).

Duration: 2020-2021

Team size: 4

Description: The purpose of this project is to develop a 45nm Binary weighted DAC using W-2W Current mirror Topology. The main challenge is in the binary weighted current mirror is the MISMATCH, W-2W solves the MISMATCH. Using VLSI, we try to design and experiment results of W-2W current mirror binary-weighted Digital-to-Analog Converter (DAC) in order to address the problem. The merit of the W-2W topology significantly reduces the area of the layout for higher-bit-resolution due to lesser number of MOSFET devices used when compared to normal binary weighted DAC. The future scope is that it can be implemented on HDTV

Role: Team head. Performed implementation of Design using CADENCE Tool. I was responsible for preparing report of our project and implementing our project design.

Technology: 45nm CMOS technology (CADENCE Tool)

Operating system: Ubuntu 21.10

Face mask Detection (Using Phyton)

Duration: June-August 2021

Team size: 4

Description: This was our mini project for the course of MACHINE LEARNING. The main objective of this mini project is to provide some effective technology for preventing the spread of Corona virus. Primary

objectives behind the development of this system is to prevent the spread of Corona virus by promoting the use of the face masks with the help of effective technology to detect the face mask and help to take necessary precaution for the safety of society by predicting the future outbreaks of COVID-19.

Role: Team member. I was responsible some part of the coding and report making.

Operating System: Windows 10

Mini project on "5v power supply"

Duration: April-June 2019

Team Size: 1

Description: This was my mini project in the 2nd year of my B.E course. This was implemented using step down transformer of 0-5v, Diode (1N4001), capacitor, resistor and voltage regulator.

Calculation of the parameters of Step Index fiber using MATHLAB

Duration: June-August 2021

Team Size: 4

Description: This was our mini project and we calculated the parameters of the step index fiber using MATHLAB. We had a curiosity of what we learned theoretically to implement practically. Using MATHLAB code we got result for the calculation of parameters of Step Index Fiber.

Role: Team Head. I was responsible for the coding and even report making.

Tool: MATHLAB

Operating System: Windows 10

Workshop attended

IEEE **Photonics Society** Bangalore Chapter-Photonic devices and Applications.
Tezos **Blockchain** Workshop.

Internship

Intern at **Hal-Engine Division** In-Plant Training (March 2021)

Online internship at **UTKARSHINI EDUTECH** (July-September 2020)

Additional Course

Web designing course from **Haadi Group**

Networking Protocols course from **Utkarshini Edutech**

Core JAVA course from **ROOMAN TECHNOLOGIES**

Personal details

Date of birth	08-05-2000
Father Name	S LINGARAJ
Mother Name	S JAYALAKSHMAMMA
Gender	Female
Nationality	Indian
Religion	Hindu
Marital Status	Single
Hobbies and interest	warm up exercises, badminton, carrom, playing games
Languages Known	English, Kannada, Tamil, Telugu and Hindi
Address	43/16 presidency English school road, virat nagar circle, Bommanahalli, Bangalore-560068

Declaration

I hereby declare that the above mentioned are true to best of my knowledge and belief

[Chandana L]