

SATISH YARRABATTULA

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EDUCATION

Rajiv Gandhi University of knowledge Technologies, Ongole

August - Present

Bachelor of Technology

Percentage till now: 80

Department of Electronics and Communication Engineering

Rajiv Gandhi University of knowledge Technologies, Ongole

Jan 2020 - July 2022

Pre-University Course.

Overall Percentage: 91.50

Zilla Praja Parishad High School,Navara

Jun 2019 - April 2020

Secondary Education.

Overall Percentage: 100

CAREER OBJECTIVE

I have always had a passion for VLSI, which drove me to learn new skills. Looking for a challenging role in the VLSI domain that will allow me to continue learning, develop my skills and eager to contribute to innovative chip design and verification projects in a challenging environment where I can improve my technical skills and continue to grow in the field of VLSI.

PROJECTS

PRODESK Using Verilog

The "Prodesk" project automates office workstations using an ultrasonic sensor and FPGA board to detect employee presence. When a person is within 40 cm of the desk, the system powers on the VGA monitor; otherwise, it remains off. This smart setup helps conserve energy and promotes a sustainable, efficient workspace.

Automatic Water Sprinkler Robot using Arduino UNO

The project focuses on automating garden plant watering using a robot equipped with an ultrasonic sensor for obstacle detection. It ensures efficient watering while navigating around obstacles. This robotic system serves as an alternative to manual labor and offers a cost-effective solution for farming-based companies.

Text Compression and Decompression using Huffman Coding in MATLAB

This project mainly aims to the lossless data Transmission through communication channel by using Huffman algorithm. It reduces the size of text files by encoding characters based on their frequencies of occurrence and it is widely used due to its efficiency, as it preserves data integrity while significantly reducing file sizes.

ACADEMIC ACHIEVEMENTS

Completed the **VLSI** internship at '**CODETECH IT SOLUTIONS PVT LTD**'.

Participated in the **VLSI** workshop conducted by '**SSIT SOUTIONS**' in RGUKT Ongole.

Completed **Microprocessors and Interfacing** course offered by **N.P.T.E.L**

Completed a certified course-**Machine Learning for Engineering and science applications** offered by **N.P.T.E.L**

SKILLS SUMMARY

Technical Skills : MATLAB, C, Verilog
Soft Skills : Communication, Active Listening, Critical Thinking
Tools : Vivado, Matlab, Arduino IDE

EXTRA-CURRICULAR

Winner in the **Ongole Basketball League (OBL)** conducted by RGUKT Ongole.

NCC 'A' Certificate Holder.

Participated in **Kriya State level Children's Festival** at **JNTUK** in 2019.