**KEY SKILLS**



THANUJA VUGIRI

#

GVP, college of engineering

Engg

,

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| **Languages** | VHDL, PYTHON and C |
| **Tools** | EDA playground, basics of Xilinx Vivado, MP LAB IDE,ARDUINO IDE  , MATLAB ,CC studio, |
| **Technical Skills** | * Experience in Design, RTL Coding.      * Experience in debugging the Hardware issues on the board of arduino.      * Experience in Teaching basics of deep learning through neural networks , VLSI code writing using VHDL , Digital Communications,      * Experience in MATLAB and Simulink using codes. |

# **EDUCATION**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Year** | **Institute/University** | **Degree/Examination** | **CGPI/Percentage** |
| 2024 | GAYATRI VIDYA PARISHAD COLLEGE OF ENGG  (Visakhapatnam, Andhra Pradesh) | PURSUING BTECH(ECE) | 82.1  (upto 4th Sem) |
| 2023 | GOVT POLYTECHNIC FOR WOMEN BHEEMILI(Visakhapatnam,) | DIPLOMA | 93.21% |
| 2020 | Z.P.H SCHOOL CHANDRAMPLAEM(madhurawada) | Xth | 96% |

# **ACHIEVEMENTS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Secured 328 rank in ECET-2023.
* Secured 1716 rank POLYSET-2020.
* Awarded best student for the year 2020 at school.
* Participated in ‘HARDWARE EXPO’ conducted by the IETE student form in GVPCE(A).
* Awarded with momentum on the eve of securing 3rd place in district wise competitions for the “**SRIMADHBHAGVADHGITHA “**slokas competition.
* Awarded with certificates for the “**ESSAY WRITING& DEBIT** “competitions held at school.

# **ACADEMIC ROLES**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Acted as Team lead for the project “AUTOMATIC STREET LIGHT CONTROLLER” in diploma.
* Acted as documentation member under the club” YFS(Gvpce)”
* Acting as mentor for the innovative app “kick study app” under the club “ABC(AI Build Clb)”.
* Acted a **class representive** during diploma 1st year.

# **PROJECTS SUMMERY**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## 1.TRAIN ACCIDENTS PREVENTION

Language: C

Tools: ARDUINO IDE

**Brief Description:**

This is the project exhibited to HARWARE EXPO,GVPCEA (Madhurawada). The aim of the project of to develop a smart train which acts smartly to the incoming obeject in front of it.if an object comes beyond then automatically the speed of the train get slower and as the distance decreases the train gets stop using Arduino board and ultrasonic sensor and servo motors controlled by the Arduino.

It can be developed further by inculpating AI Into it.

**Design and Verification**

* Verification has been done by the platform Arduino IDE.
* Involved in the synthesis of the circuit using tinker cad for testing.

## 2. SMART TECH HELMET

Language: C

Tools: ARDUINO IDE

**Brief Description:**

This project involves the implementation of the traditional model of the smart helmet has been produced to assist miners operating in the mining industry. Many risky incidents commonly occur in the mining sector, many of which result in life-threatening injuries or death. A miners helmet is one of the most regularly used safety equipment for miner workers hence it must be loaded with some more advanced features with use of different sensors.

**Design and Verification**

* Verification has been done by the platform Arduino IDE.
* Involved in the synthesis of the circuit using tinker cad for testing.

## 3. LED BLIKING USING MPLAB WITHOUT HARWARE

## 4. DIGITAL COUNTER USING MPLAB WITHOUT HARDWARE

# **PERSONNEL INFO**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Interests:** Playing KHO-KHO, Reading Novels and Sunday books.

**Date of Birth:** 01/03/2005.

**Nationality:** Indian.

**Fathers’ Name and Occupation:** Mr. Vugiri Sankara Rao, Tailor.

**Permanent Address:** Sivasakthi Nagar, kommadhi, Vishakhapatnam (Dt), Andhra Pradesh, India.

**Gender:** Female.

**Language:** Telugu,English, Hindi.

**Activities:**

* Once a week teaching and clarifying doubts for lower class children in evening.
* Reading books which gives peace of mind.

**I hereby declare that the above information is true to the best of my knowledge and promise to deliver best of my potentials to the organization.**

**THANUJA VUGIRI**