

Bevara Venkatasai

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Carrier Objective

Dedicated Electronics and Communication Engineering graduate, who want to play a dynamic role in an innovative company by staying updated with emerging and cutting-edge technologies to apply the skills and knowledge to the projects for the betterment of society.

Education

GMR Institute of Technology , B.Tech Electronics and Communication Engineering	Sept 2022 – April 2025
• CGPA : 8/10.00	
Govt - Polytechnic Amadalavalas , Diploma in ECE	Aug 2019 – April 2022
• Percentage : 82.98/100	
Kerala School , SSC	April 2019
• Points : 9.7/10	

Key Projects

Bluetooth Controlled Obstacle Avoidance Robot (Embedded Systems And IoT)	Nov 2024
• Mentor : G Naga Mani Kanta Rao, Sr Embedded Engineer, HMIES	
• This robot combines Bluetooth control with obstacle avoidance sensors, allowing users to navigate it remotely while avoiding collisions. It demonstrates a mix of manual and autonomous functionality for versatile navigation	
• Tools Used : Bluetooth Terminal, Embedded C, Arduino IDE	
Authorized Home Security for Old-Age Home People (Embedded Systems)	Jun 2024
• Mentor : Dr. Ravi Shankar Saxena, Professor DECE, GMRIT	
• This project ensures the safety of elderly residents by using sensors to detect unauthorized activities or intrusions. It sends immediate alerts to caretakers, enabling quick responses and enhanced security	
• Tools Used : Embedded C, Arduino IDE, Blynk IoT	
Driver Anti Sleep Device	Feb 2022
• Mentor : P Srinivas, HOD DECE, Govt - Polytechnic, Amadalavalasa	
• This device monitors driver fatigue using sensors that detect drowsiness indicators like head movement or eye blinks. It alerts the driver with alarms or vibrations to prevent accidents caused by sleepiness	
Automatic Temperature Checking and Sanitizer Spray for COVID - 19 Safety	Nov 2021
• Mentor : P Srinivas, HOD DECE, Govt - Polytechnic, Amadalavalasa	
• This system automatically checks body temperature using infrared sensors and dispenses sanitizer when a person approaches. It provides a contactless solution to enhance safety and hygiene during the COVID-19 pandemic	
Controlling Electronic appliances wirelessly using RF pair	Dec 2019
• Mentor : Dr PV Yeswanth, Lecturer DECE, Govt - Polytechnic, Amadalavalasa	
• This project uses an RF transmitter-receiver pair to wirelessly control electronic appliances within the home. It offers a simple and efficient solution for remote home automation.	

Internships

• Embedded Systems and IoT – HMIES, Vishakapatnam	Aug 2024 - Nov 2024
• VLSI – CODTECH IT Solutions, AICTE	July 2024 - Aug 2024
• Familiarization of Studio Equipment, FM and MW Tx - AIR, Vishakapatnam	July 2023 - Aug 2023
• CCNA (Cisco) - Government Polytechnic, Amadalavalasa	Aug 2021 - Nov 2021

Certifications

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| • VLSI System On Chip Design - Maven Silicon | Nov 2024 |
| • Embedded System Design - Maven Silicon | Nov 2024 |
| • VLSI Design - NIELIT, Calicut | Aug 2024 |
| • Embedded System Design - NIELIT, Calicut | July 2024 |
| • Introduction to IoT - Cisco Networking Academy | Oct 2023 |
| • Programming in Python - Meta(Coursera) | Jan 2023 |
| • CLA : Programming Essentials in C - C++ Institute | May 2020 |
| • IT Essentials - Cisco Networking Academy | Feb 2020 |

Technologies

Languages: C, Python, Embedded C, Verilog HDL

Technologies: Xilinx Vivado, Thinker Cad, Kiel, DOSbox, Arduino IDE, Proteus 8 Professional, PCB Wizard, Arduino IoT Cloud, Things Speak

Achievements

- Got 1st in Hardware Expo for the project titled "Controlling Electronic appliances wirelessly using RF pair", TACHYON 2020 a national level event conducted by Dept of ECE ANITS, vishakapatnam

Extra-Curricular Activities

- Conducted RESonate "Embedded Systems and Robotics with Arduino" 3 days Workshop at Indian Institute of Petroleum and Energy (IIPE) Vishakapatnam Behalf of HMIES as Intern
- Presented research paper titled 'Smart Farming Using IoT For Healthcare of Cattle' at National Conference "Fresh CON 2K23" conducted by Dept of Industrial Safety ASET collage of science and technology, chennai
- Participated in the Technical event "THNIKER CAD" in STEPCON 2024 conducted by GMRIT, Rajam
- Participated in the Technical event "Hardware Expo" in TACHYON 2k20 national level event conducted by dept of ECE ANITS, Vishakapatnam

Declaration

I hereby declare that the above cited information is true to the best of my knowledge and I believe that if given a chance, I can prove myself.