R Yaswanth Reddy

E-mail: ravulapallibunnyreddy@gmail.com
LinkedIn: linkedin.com/in/meyaswanth
Phone: +91 9381861926

PROFILE

As an Electronics and Communication Engineering, with knowledge in Arduino applications, digital communications and analog circuits. skilled in Python, C, Verilog programming with hands-on project experience. good understanding in designing software's AutoCAD and fusion-360. passionate about solving real-time problems in data analysis. Additionally, A Machine Learning enthusiast, with moderate understanding in platforms like TensorFlow and python libraries like NumPy, Pandas, Seaborn.

EDUCATION

Amrita Vishwa Vidyapeetham — **Kollam, India**
Bachelor of Technology, Electronics and Computer Engineering (8.54 / 10.0) — 2020 – 2026

Sri Chaitanya Jr College — **Andhra Pradesh, India**
Andhra Pradesh Board of Intermediate - MPC (96.1%) — 2020 – 2022

Sri Chaitanya High School — **Andhra Pradesh, India**
Andhra Pradesh Board of Secondary Education (10.0/10.0) — 2019 – 2020

SKILLS

Languages:	Python, C, Verilog, HTML
Frameworks:	TensorFlow
Machine Learning Libraries:	Pandas, Matplotlib, Seaborn, NumPy
Software's:	AutoCAD, Fusion360, MATLAB, LtSpice, TinkerCAD, Proteus, Ansys Electronics, Keil uVision

PROFFECIONAL EXPERIENCE

HUT Labs

- Student intern at HUTLabs (Humanitarian Technology Labs) since 2023, building skills in Electronics and currently working on Foundation Models in Machine Learning field.
- Holding the Position of Chair Person in IEEE Robotics and Automation Society

IEEE Member

- IEEE Student member in Robotics and Automation since June 2024

PROJECTS

Traffic Light System

- Developed a Traffic controlling Lights using basic of EEE
- Software Used: Arduino IDE
- Hardware Used: Arduino UNO, LED's, Switches

Audio Amplifier Using LM386

- Designed and simulated an LM386-based audio amplifier circuit in Proteus, verifying schematic accuracy and functionality without physical components.
- Software Used: Proteus, LM386 Amplifier Design

Audio Echo Modelling

- Designed a Audio Echo model using MATLAB which can be used in large mountain region to know the direction and location of the sound.
- employing Finite Impulse Response (FIR) and Infinite Impulse Response (IIR) filters, we aim to recreate the echoes produced in a mountain range when a person calls out.
- Software Used: MATLAB.

Elevator with Emergency Handling

- Designed a Elevator system with unique facility of Handling Emergency requests using FPGA (Software).
- Used technique of Sequence Detection
- Software Used: ModelSim
- Language: Verilog Programming

AWARDS & ACTIVITIES

Self-Balancing Bot

- Got into Stage 2 in E-Yantra Robotics Competition 2023 by IIT Bombay.
- Participation Certificate

Eco-mentor Bot

- Got into Stage 1 in E-Yantra Robotics Competition 2024 by IIT Bombay

IDC Robocon

- Got into Qualified Round in IDC Robocon conducted by Amrita School of Engineering in 2024
- Participation Certificate

Workshop

- Participation Certificate for RISC workshop by HUTLabs

COURSES

Python for Data Science

- Issuing Organization: NPTEL (IITM)

COMMUNITY OUTREACH PROGRAM

Student Social Responsibility Project – Amrita Vidyalayam, Puthiyakavu

- Conducted a session on traditional Indian sports **Kho Kho** and **Kabaddi**, highlighting their cultural significance and fitness benefits.
- Led a team effort with faculty support to promote sports revival and holistic development.

WORKSHOP

- Attend a workshop on AI in Agriculture by HUTLabs in Amrita Vishwa Vidyapeetham, Kerala.

SOFT SKILLS

- Team Work
- Good Listener
- Problem Solving

LANGUAGES

- Telugu
- English
- Hindi