



CHAITANYA PILLA

IOT & ROBOTICS



CONTACT



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Greater Nodia, Bennett
University

EDUCATION

High School(CBSE)

Sri Prakash Vidyaniketen(2019-2021)

Boards: 70.4%

Bachelor of degree(Computer Science)

Bennett University(2021-PRESENT)

Boards: 70.05%

CERTIFICATES

- [Introduction to the Internet of Things and Embedded Systems](#)
- [Google Cyberscurity Professional](#)
- [AI and Climate Changes](#)
- [The Bits and Bytes of Computer Networking](#)
- [Machine Learning: Regression](#)

SKILLS

- Programming Languages**
Python, Embedded C, C++, Bash scripting, HTML, SQL
- Operating Systems**
Windows, kali Linux, Linux(General), Raspberry Pi
- IoT & Robotics**
Raspberry Pi, Aurdino, ESP32, Sensors, Cloud
- Technical Skills**
AIML, Cybersecurity, Computer Networking

ABOUT ME

With a boundless imagination and a penchant for exceeding expectations, I thrive on pushing boundaries and delving into the extraordinary. A relentless drive to tackle every challenge with innovative solutions sets me apart. Whether it's artistry or analysis, I aim to redefine excellence and bring fresh perspectives to every endeavor.

INTERNSHIPS

Steel Plant RINL Blast Furnance_predicting C/CO2-(Python)

A blast furnace prediction project involves using machine learning techniques to predict important performance metrics or outcomes of a blast furnace process, such as temperature, efficiency, fuel consumption, or product quality. How much value will come for every 30min should be predicting iron, carbon, manganese, chromium, silicon, copper, molybdenum, and tungsten using machine learning.

Teachnook(IOT)

Wifi Mapping(Embbred-C)

This project features a WiFi-controlled robotic car powered by an ESP32 microcontroller, ultrasonic sensors for obstacle detection, and an L298N motor driver for movement. It autonomously avoids obstacles and can be remotely controlled via a smartphone, offering flexibility for navigation and exploration in various environments, it map the entire room into digital form.

PROJECTS

MQTTndance

Python, Linux

The code that is offered includes a mechanism for file synchronization over MQTT and attendance tracking based on facial recognition. It tracks attendance, takes pictures of faces, and compares them to a database. It also uses MQTT to synchronize a folder's contents between a Raspberry Pi and a laptop. Effective attendance control and real-time file sharing across devices are made possible by this solution.

NAO Humaniod Robot Blockly, Choregraphe, Emmbred-C

Programming a humanoid robot requires it to learn how to interact with objects using actuators and sensors. Tasks like object detection, grasping, and manipulation are all included in programming. Nao improves its capabilities by using its sensors to detect items, evaluate their characteristics, and then pick them up and interact with them using its actuators.

LANGUAGE

Telugu |||||
English ||||
Hindi ||||

HOBBY

Badminton(States)
Chess(980)
Swimming(inter)
Table Tennis(inter)