G V N AKHIL

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Career Objective

Highly motivated electronic engineer with a passion for designing and implementing innovative hardware solutions. Skilled in programming languages including C++ and Python, with experience in developing embedded systems and lot of applications. Seeking an opportunity to apply my expertise and problem-solving skills.

Education

Chaitanya Bharathi Institute of Technology   **CGPA - 8.67**
Bachelor of Engineering in Electronics and Communication   *2020 – 2024*
Sri Chaitanya Junior Kalasala, DD Colony   **Percentage - 97.5**
Intermediate   *2018 – 2020*
Sri Chaitanya School, Meerpet   **GPA - 9.8**
10th

Skills

Languages : Embedded C, C++, Python, Verilog HDL
Developer Tools: MATLAB, xilinx ISE, Keil uvision, Raspberry Pi OS, Arduino IDE
Soft Skills :Multitasking, Adaptability, Consistent

Projects

RFID based Security System | *IoT, Embedded C Programming*   **Nov 2022**
- Developed a Security System using RFID Module.
- Provided the facility such that the owner can know who has accessed the system.
- Used NodeMCU to send an alert to the owner using Blynk.

8051 MC based door lock using keypad | *Intel 8051, Embedded C Programming*   **March 2023**
- Developed a door lock system using 8051.
- Successfully integrated keypad and motor driver IC for door mechanism .

Home Security System using Face Recognition | *Python, Raspberry-Pi, Machine Learning*   **March 2023**
- Improved the face recognition accuracy by using CNN.
- Provided a feature so that the owner can give access to new people via Blynk IoT application.
- Owner can now get updates about who has accessed the system via G-mail with their photo.

Internships

NSIC : National Small Industries Corporation   **9th Aug 2022 - 21st Aug 2022**
Embedded Systems and IoT

- Gained Knowledge about Embedded Systems and IoT.
- Developed hardware-embedded circuits for various applications.
- Developed an IoT-Embedded System which can be controlled through Web.

MathWorks Virtual Internship   **15th May 2023 - 15th Sep 2023**
MATLAB

- **MATLAB Onramp:** Learned the basics of MATLAB.
- **Image Processing Onramp:** Learned the basics of practical image processing techniques in MATLAB.
- **Signal Processing Onramp:** Used spectral analysis and filtering techniques to pre process, analyse, and extract information from signal data.
- **Machine learning Onramp:** Applied different types of machine learning models for clustering, classification, and regression in MATLAB.

Publications

14th ICCCNT (IEEE) | *IIT - Delhi, Delhi India.* **July 6th - 8th, 2023**

- Chaitanya Kollur, Akhil G V N, Siva Priyanka S, Krishna Reddy D, Aruru Sai Kumar, "Development of Face Recognition-Based Smart Door Lock System with Remote Servo Control Authentication", 14th International Conference on Computing, Communication and Networking Technologies, July 6th-8th 2023, IIT Delhi (Accepted)

Certifications

- Embedded Systems and IoT - NSIC LTD (Aug 2022)
- MathWorks - Signal Processing, Image Processing, ML/DL using MATLAB (Sep 2023)

Co-Curricular Activities

- Participated in Project-Expo, Ideathon - March, 2022
- Participated in Project-Expo, IGNIUM - November, 2022

Hobbies

Listening to music, Drawing, Typing.