



# G V N AKHIL

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## Career Objective

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

## Education

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<b>Chaitanya Bharathi Institute of Technology</b> <i>Bachelor of Engineering in Electronics and Communication</i>	<b>CGPA - 8.70</b> 2020 – 2024
<b>Sri Chaitanya Junior Kalasala, DD Colony</b> <i>Intermediate</i>	<b>Percentage - 97.5</b> 2018 – 2020
<b>Sri Chaitanya School, Meerpet</b> <i>10th</i>	<b>GPA - 9.8</b> 2018

## Skills

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**Languages :** Embedded C, C++, Java, Verilog HDL

**Developer Tools:** MATLAB, xilinx ISE, Keil uvision, Raspberry Pi OS, Arduino IDE, VS Code

**Skills :** Embedded Systems, Internet of Things (IoT), Analog And Digital Circuits, Arduino, Raspberry Pi.

**WebDev :** HTML, CSS, JavaScript, JQuery, Tailwind CSS, ReactJS, NodeJS.

## Publications

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

C. Kolluru, A. G V, S. P. S, K. R. D and A. S. Kumar, "Development of Face Recognition-Based Smart Door Lock System with Remote Servo Control Authentication," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi: 10.1109/ICCCNT56998.2023.10307437.

## Projects

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**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 .

**Face recognition based door lock system | Python, Raspberry-Pi, Machine Learning** **March 2023**

- Implemented face anti spoofing for better security.
- 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.
- Project link -  [Project](#)

**The Simon Game | HTML, CSS, Javascript, jQuery** **Oct 2023**

- Developed a Simon game using HTML, CSS, JavaScript, and jQuery, where players follow a sequence of colors and sounds, aiming to reach higher levels by remembering and replicating the pattern accurately.
- Link to the website - [Netlify](#)

**Marketing Agency Website | HTML, CSS, Javascript, ExpressJS** **June 2024**

- Created an interactive homepage for a digital marketing agency.
- Developed and integrated a web application by connecting the frontend web page to the backend web server using Express.js.
- Link to the website - [Netlify](#)

## Internships

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### 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 July 2023 - 15th Sep 2023

*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.

### Internshala training

15th June 2023 - 12th Aug 2023

*Machine learning*

- Gained Knowledge about machine learning and various ML techniques.
- Learned to use Jupyter notebook for building ML models.
- Developed a linear regression model for estimating the sale price of a house based on some parameters.

## Certifications

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- Data Structures using python - Coursera ( Jan 2022)
- Python-Basic to Advanced - Udemy (March 2022)
- Embedded Systems and IoT - NSIC LTD ( Aug 2022 )
- Programming in Java - NPTEL (Oct 2022)
- The Complete 2023 Web Development Bootcamp - Udemy (July 2023)
- MathWorks - Signal Processing, Image Processing, ML/DL using MATLAB ( Sep 2023 )

## Co-Curricular Activities

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- \* Participated in Project-Expo, Ideathon - March, 2022
- \* Participated in Project-Expo, IGNIUM - November, 2022
- \* Participated in 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT) July 6th - 8th, 2023 IIT - Delhi, India