



G V N AKHIL

📞 7997553001 ✉ akhilgvn@gmail.com  www.linkedin.com/in/akhil-g-54579b244/  github.com/gAkhil-454

Career Objective

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 lot of applications. Seeking an opportunity to apply my expertise and problem-solving skills.

Education

Chaitanya Bharathi Institute of Technology <i>Bachelor of Engineering in Electronics and Communication</i>	CGPA - 8.67 <i>2020 - 2024</i>
Sri Chaitanya Junior Kalasala, DD Colony <i>Intermediate</i>	Percentage - 97.5 <i>2018 - 2020</i>
Sri Chaitanya School, Meerpeta <i>10th</i>	GPA - 9.8

Skills

Languages : Embedded C, C++, Python, Verilog HDL, jQuery, HTML, CSS, JavaScript, Bootstrap

Developer Tools: MATLAB, xilinx ISE, Keil uvision, Raspberry Pi OS, Arduino IDE, VS Code, PyCharm, IntelliJ, Jupyter Notebook

Soft Skills : Multitasking, Adaptability, Consistent

Skills : Embedded Systems, Internet of Things (IoT), Analog And Digital Circuits, Arduino, Raspberry Pi, Frontend Web Development

Projects

RFID based Security System <i>IoT, Embedded C Programming</i> <ul style="list-style-type: none">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.	Nov 2022
8051 MC based door lock using keypad <i>Intel 8051, Embedded C Programming</i> <ul style="list-style-type: none">Developed a door lock system using 8051.Successfully integrated keypad and motor driver IC for door mechanism .	March 2023
Home Security System using Face Recognition <i>Python, Raspberry-Pi, Machine Learning</i> <ul style="list-style-type: none">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.	March 2023
Drum Kit Web application <i>HTML, CSS, Javascript</i> <ul style="list-style-type: none">Built an interactive online drum kit utilizing HTML, CSS, and JavaScript.	Aug 2023
Portfolio Website <i>HTML, CSS, JavaScript</i> <ul style="list-style-type: none">Built my portfolio website using HTML , CSS and javascript.Added some animations to my website using CSS.Have added one contact me section using JavaScript with the help of smtp JS service.	Oct 2023
The Simon Game <i>HTML, CSS, Javascript, jQuery</i> <ul style="list-style-type: none">Developed an interactive simon game using HTML, CSS, and JavaScript.Used jQuery to write the logic for the game.	Oct 2023

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 July 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.

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

- 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)

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)

Co-Curricular Activities

- * 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

Hobbies

Listening to music, Drawing, Typing.