Nirmal Kumar

Electronics Hobbyist

I am an experienced designer in the electronics and automation with a demonstrated history of working in the electronics hardware. And focusing on challenging job which lets me use my academic `growth and advancement.

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EDUCATION

University
Global Institute of Engineering & Technology

08/2017 – Present   *Vellore,India*

Courses
- B.E -Electronics & Communication Engineering

High School
Sri Ramakrishna Matric Hr. Sec.School

05/2009 – 05/2017   *vellore,India*

Courses
- PCM with Biology.

WORK EXPERIENCE

Intern
National small industries Corporation ⬈

10/2019 – 11/2019   *Chennai , India*

Task
- Making Realtime Embedded based Industrial alarm system by using the Industrial Microcontroller such as PIC 16F1526 microcontroller with multiple sensor interfacing such as Fire sensor,display unit etc.

Achivments
Achivments & Awards

Achievements
- Awarded prize from the Jeppiyar institute of technology for achieving first place on the circuit Debugging.
- Awarded prize from Thanthai periyar Government Institute of tech, for won first place on the Code Mode event.
- Awarded prize from the C.Abdhul Hakeem college of engineering for won the 2nd Place in PROJECT EXPO of the National level Technical Symposium.
- Awarded prize from Thanthai periyar Government Institute of tech, for won first place on the project Expo event
- Awarded prize from Annai meera college of engineering , for won first place on the Project Expo event.
- Selected Final round on MHL hackathon conducted by the C.Abdhul Hakeem college of engineering.

SKILLS

Arduino   ESP-32   Microcontrollers   Electronics   Internet Of Things   Raspberry Pi   C/C++   Python   Eagle pcb design   Orcad   Embedded systems

PROJECTS

Smart Home Automation (02/2020 – 03/2020) ⬈
- Home Automation using the Amazon Alexa by controlling the various home appliances from the ESP-32 and relays.

IOT Based Smart Agriculture (01/2020 – 02/2020)
- IOT based smart agriculture using the Arduino and ESP-32 Microcontrollers ,the live data are processed to the cloud server

Smart Home security system (09/2019 – 10/2019)
- Smart home security system using Raspberry pi ,the system consist of the gsm module which alerts the users when the motion detects.

IOT based Covid19 monitoring isolation wards (04/2020 – Present) ⬈
- To track the Patient on the corona wards ,such as security,room conditions,Air quality using Esp-32 and Gsm modules.

ORGANIZATIONS

Student developer cell (10/2018 – Present)
Management Lead

Convocation cell (12/2018 – Present)
Inner Circle Member

Electronics club (12/2019 – Present)
Technical Core Member

Event Co-ordinator (12/2018 – Present)
Technical Core Member

LANGUAGES

English
Full Professional Proficiency

Tamil
Native or Bilingual Proficiency

Hindi
Limited Working Proficiency

INTERESTS

Machine learning   App development   RF communication   Web Development   Robotics