NITHIN C

Final-year Undergraduate
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ABOUT

I am a final-year engineering student who began learning C programming during my first year. However, I found that C programming becomes more engaging when applied to Arduino boards. I am an electronic enthusiast and creative problem solver. Additionally, I am open to working in interdisciplinary roles, leveraging my flexibility and skills to contribute effectively in various domains.

PROJECTS

1. Smart Doormat
    -Electronics Wing national level Project competition
    A smart doormat, that can sense the presence of humans and trigger the surveillance camera and take the picture of the human who entered our restricted area.

2. Brainly Smart glasses
    A smart glass that can read text in the image and speak via speaker which is useful for visually impaired person

3. SPOT
    Surveillance and Protection Operation Technique. We used third party python library opencv to detect human intervention in boarders. It can also detect the number plates in boarder Highways

SKILLS

- Internet of things
    - Sensors, Actuators
- Linux
    -Ubuntu, Raspbian OS.
- Wireless Network
    -WiFi, Bluetooth.
- Messaging Protocol
    - Mqtt
- Programming
    - C and C++(Arduino), Python(Raspberry pi).
- Iot Boards
    -Arduino, Raspberry pi, ESP32.
- HTML, CSS and JavaScript(Front End)
- Django (Back End)
- Git Bash and GitHub(Version Controlling)

SCHOLARSHIP AND ACADEMIC ACHIEVEMENT

- DXC Progressing Minds 2020-2021
    -Based on 10th merit and Startup idea
- National Level Science Program(Inspire)
    - Based on 10th merit
- CodeinPlace (Stanford University)
    -Based on logical Thinking and Python programming
- IEEE Mentorship
    -Mohamed El Dallal,
    -2022 Vice-Chair- Programs,IEEE
    -Co-Founder and CEO| Innovideas LLC

INDUSTRIAL VISITS

- Indian Space Organisation and Research
    -Sriharikota, Andhra Pradesh.
    -College Level.
    -Insights: visit to launch pad, Controller Room.
- National Atmospheric Research Laboratory, Andhra Pradesh.
    - College level.
    - Insights: Various Atmospheric Research
    - Personal Interest: GPS radiosonde
- Indian Institute of Technology Madras, Research Park
    -Got an IV from IIT Bombay's Paper presentation.
    - Visited in Vayusastra aerospace pvt Ltd

PLATFORMS

- TinkerCAD
- SimuleIDE
- VS Code
- ChatGPT Code Interpreter and Google Colab

CERTIFICATION AND PARTICIPATION

- Raspberry Pi
    - Infosys | Springboard
    -Issued on: Wednesday, December 7th 2022
- C and C++
    - IIT Bombay Spoken Tutorial.
    - Issued on: 27th January
- Quantum Geographic Information System
    - Linkedin Learning
    - Issued on: March 07 2022
    - For GPS data view
- Winner at IIT Bombay paper presentation
    - Idea submitting
    -Issued on: 3rd January at IIT madras.
- Winner at Visai an International project expo
- Winner at Circuit Debugging
    -Satyabama | Deemed University
- 3rd Position in IEEE Bombay Section
    -Idea Presentation
    -12 November 2022
- Participation in Electronics Wings
    -National Level Electronics Project Competition
    - Participated on both 2022 and 2021
- Honeywell Hacakthon
- MSME Participation
- Participated in VIT Chennai Circuit Building Hackathon
    -8 Hour long Hackathon on VIT Campus