SANGRULKAR OMKAR GIRISH

B.Tech. - Electronics & Communication Engineering - MIT - WPU

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BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Interested and enthusiastic in embedded systems. Active team player. Accustomed to work in high pressure situations. Have practical experience of working in electronics and embedded systems. Worked on certain projects like Automatic garbage segregation, Posture detection, Home automation, Adaptive CVT cooling, Developing a storage server.

KEY EXPERTISE / SKILLS

Embedded Systems   C   Proteus   Computer Networking   Teamwork   Leadership Skills

EDUCATION

MITWPU - Faculty of Engineering   2020 - 2024
B.Tech. - Electronics & Communication Engineering - MIT - WPU | CGPA: **9.42 / 10.00**

Late P. B. Jog Jr. College, Pune   2020
12th | MSBSHSE | Percentage: **70.31 / 100.00**

Abhinav Vidyalaya, Pune   2018
10th | MSBSHSE | Percentage: **91.20 / 100.00**

PROJECTS

GPS tracker   05 Feb, 2022 - 08 Mar, 2023
Team Size: 3

Key Skills: Embedded Systems   C

GPS location tracker and speedometer using Arduino and GPS module the speed is displayed on OLED display a nd location data is stored on sdcard module.

Adaptive CVT cooling   02 Aug, 2022 - 14 Dec, 2022
Mentor: Dr. Mahesh Kulkarni | **Team Size:** 5

Key Skills: IOT   Embedded Systems   C

Adaptive CVT colling system using Arduino nano iot. The temperature data and fan state can be monitored on iot dashboard wirelessly. The deta is also stored in sdcard module for further analysis.

Xpenology NAS   02 Oct, 2022 - 25 Oct, 2022
Team Size: 1

Key Skills: Computer networking

Developed a storage server having different users and can be accessed from anywhere.

Posture detection using opencv   04 Aug, 2022 - 05 Sep, 2022
Team Size: 2

Key Skills: AIML   Python   OpenCV

Implimented human posture analysis using opencv. It shows angles between joints of human body by capturing live video from camera.

Home automation using esp8266   07 Oct, 2021 - 19 Oct, 2021
Team Size: 3

Key Skills: HTML   Embedded Systems   C

Developed a cheap home automation system using esp8266 which is can be controlled using web page on same network. The web page was made using a basic html template and code.

ACHIEVEMENTS

- Obataind AIR2 as a part of Piranha Racing in the BAJA SAE season 21-22 aur of around 120 teams all over India. In it worked in electronics department on validations and subsystems.

CO-CURRICULAR ACTIVITIES

- Was part of team BOLT for 1 year in first year. We worked on the manufacturing of a electric golf cart.

- Part of team Piranha Racing an official MIT WPU's baja SAE team. Working in electronics department on validations and subsystems.

PERSONAL INTERESTS / HOBBIES

- Reading Books
- Cooking

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
Current Address: 601, Prathamesh Novellas, Lane no.1, Dahanukar Colony, Kothrud, Pune, Maharashtra, India - 411038
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Date of Birth: 14 May, 2002
Known Languages: English Marathi Hindi
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