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ARAVIND K.A

CAREER QUALIFICATION

Looking forward to an opportunity for working in a dynamic, challenging environment, where I can utilize my engineering skills for developing my career and for the growth of the organization.

EDUCATIONAL QUALIFICATION

2020-2024   Bachelor of Technology in Electronics and Communication Engineering (ECE) from Rajagiri School of Engineering And Technology, Kakkanad.

2019-2020   **12th - Bhavans Vidya Mandir, Elamakkara**
                 Central Board of Secondary Education- 78%

2017-2018   **10th-Bhavans Vidya Mandir, Elamakkara**
                 Central Board of Secondary Education- 90%

CERTIFICATES AND ACHIEVEMENT

❖ Arduino workshop conducted by TEAM HORIZON, CUSAT.

❖ Attended a pre-event of the student humanitarian technology conference conducted by IEEE MEC SB.

❖ Completed the course in Machine Learning conducted by IIT Bombay.

❖ Completed the course in Litmus user certificate.

PROJECTS AND INTERNSHIP

❖ 10-day internship at Nest on Embedded Systems.

❖ Semi-automatic whiteboard cleaner

  o PIC Microcontroller-based project, by interfacing two DC motors and IR sensor.

  o Controlling the rotation of the motors based on proximity.

  o Utilized C programming language for the project implementation.

- ❖ Smart Wheelchair

  - o Enabled wheelchair movement control through head gestures by implementing facial landmark detection techniques.

  - o Implemented additional functionalities such as object detection utilizing ultrasonic sensors and fall detection employing accelerometers and GSM technology on Arduino microcontrollers.

  - o Developed Python scripts to detect head movement on Raspberry Pi hardware and programmed Arduino microcontrollers in C for implementing sub-features.

TECHNICAL SKILL

- ❖ C, C++
- ❖ MS Office
- ❖ Python

PERSONAL SKILL

- ❖ Team worker
- ❖ Quick learner
- ❖ Creative
- ❖ Confident

PERSONAL PROFILE

- ❖ Date of Birth　　　　　　　　June 14, 2002
- ❖ Gender　　　　　　　　　　　Male
- ❖ Languages known　　　　　English, Hindi & Malayalam
- ❖ Nationality　　　　　　　　　Indian