

ASWIN V P

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CAREER OBJECTIVE: To continuously enhance my knowledge, skills, and experience by getting involved in challenging work environment and utilize them for personal and organizational growth to the best of my ability.

EXPERIENCE:

Working as Hardware Engineer at Acutro Technologies Pvt Ltd, Yamuna Building, Technopark

Projects I have been part of

- 4 Legged Robot
- Mushroom farming Automation
- OTTO Robot
- Health Monitoring Smart Watch

IT / TECHNICAL PROFICIENCY:

Programming Skills – C, Embedded C, Python

Application software – Proteus, MATLAB, Blender, SolidWorks

Software packages – Adobe Premiere Pro, Adobe Photoshop, Adobe Illustrator, Adobe After Effects, MS Office

Skills – Hardware, Programming, Debugging, Circuit designing, Communication skills, Leadership skills

ACADEMIC QUALIFICATIONS:

Bachelor of Technology, Electrical and Electronics Engineering from APJ Abdul Kalam Technological University. Graduated in the year 2022 with CGPA of 7.94

PROJECTS:

4 Legged Robot: A basic motion of a dog is mimicked. This project was done to replicate the movements of 4 legs of a dog. A model was made and movements of each leg is achieved by the servos and controlled using a Servo Shield. Different angles of the legs was observed and coded accordingly. My role was to program the movements of the leg by defining angles on the servos.

Mushroom farming Automation: A room is converted for mushroom farming. Watering of mushroom, temperature and humidity of the room is conditioned for better mushroom production. We have developed a device that measures temperature and humidity and it has an internal clock, the watering system can be controlled by these parameters. My role was to develop circuit and program this device.

OTTO Robot: A small 2 legged robot was developed. It can imitate different gestures, behaviour and walking movements. It expresses its emotion through display. Robot can be controlled using phone device. It can respond to different commands as we give. My role was to interface the hardware and program with ESP32 chip.

Health monitoring Smart Watch: A smart watch was developed. It can measure patient's temperature, SPO2, and step tracking system. It measures these factors and send to a secondary device from which data is pushed to cloud. My role was to implement BLE service between watch and secondary device.

CERTIFICATIONS:

- Arduino Course conducted by Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India. (January 2020)
- Electric Vehicle Design Course conducted by Acutro Technologies Pvt Ltd. (April 2021)
- PCB Design and Fabrication, ADVENT 2020, Sree Chitra Thirunal College of Engineering, Thiruvananthapuram (February 2020)
- Robotic Process Automation conducted by Skill Delivery Platform Kerala, ASAP. (January 2020)
- Introduction to Web Development conducted by IEEE Computer Society (CS), IEEE Student Branch, Government Engineering College, Barton Hill, Thiruvananthapuram (August 2020)

AWARDS & ACHIEVEMENTS:

- Mr. DILEEP Endowment Award 2021 for the final year student with Good Technical Skills in Electrical and Electronics Engineering, MCET (26 December 2022)
- Awarded for Technical Coordinator of ETERJA (2021-22), Electrical Engineering Association, MCET (06 May 2022)
- Proficiency Prize for securing second place in University examination of EEE at MCET by PTA of MCET (2019 – '20)
- Best Incoming Student Award of EEE, MCET (2018)
- Innovation & Entrepreneurship Development Centre (IEDC-MCET), Video Editor (August 2020 – March 2021)
- ADOBE ILLUSTRATOR 12 hour course by IEEE SCT SB and IEDC SCTCE (2 October 2020 – 30 October 2020)

HOBBIES & INTERESTS:

- Video editing
- Photo editing
- Illustration
- Photography
- Drawing

PERSONAL DETAILS:

Age & Date of Birth	: 22, 29/07/2000
Gender	: Male
Blood Group	: O+
Nationality	: Indian
Father's Name	: Viswakumar.S
Language Skills	: English, Malayalam
Marital Status	: Unmarried