**Sakthivel S**

**PROFILE**

An emerging Electrical engineer seeking an opportunity as an entry level design engineer, with special interests in areas like Electric machines, Hybrid EV's, IoT and related fields, resulting in meaningful contribution towards organizational growth along with personal and professional development.

**EDUCATION**

* **B.Tech.** **Electrical and Electronics Engineering**

**CGPA – 8.79 / 10 2019-2023**

Amrita Vishwa Vidyapeetham, Coimbatore

* **Class 12** – 89.33% **2019**

Institution: MLM Mamallan Matric Hr Sec School, Kanchipuram

* **Class 10** – 100% **2017**

Institution: Vedavalli Vidyalaya Senior Secondary School, Walajapet

**PROJECTS**

**Warehouse Management Using Path Follower Robot.**

Objective: To develop a battery powered path follower robot to deliver FMCG goods to the customers.

Tools & Techniques used: Arduino IDE , C , React , Google Firebase

Outcome: The Path Follower robot is built and deployed successfully.

**PaceMon - Speed and Mobility Monitoring System.**

Objective: To develop a machine learning app which estimates speed of the vehicle and monitor mobility of it.

Tools & Techniques used: Python, OpenCV, PHP, MySQL , HTML, CSS, JS, Bootstrap, JQuery.

Outcome: The speed estimation app was successfully built with good accuracy. One of the “ **Top 15 Submissions**” in Smart City Hackathon’ 21 conducted by Honeywell, Amrita and BCIC.

**TECHNICAL INTERESTS**

Hybrid EV

Machine Learning and Image Processing

Internet of Things

**TECHNICAL SKILLS**

C, Python, C++, HTML, AutoCAD, MATLAB, LTSpice, Google cloud computing, Programming for Everybody, Python Data structures, Python to access web Data.

**ACHIEVEMENTS & HONOURS**

**Hockey Clusters.**

Area / Topic / Details: Won 1St place as a team in the Hockey Clusters under junior and senior level.

When & Where: Hockey clusters match conducted by BMV, Walajapet in the year 2014 and 2016.

**Volunteer ( Content team of GEN-E and Event Organizer Team of GEN-E)**

Area / Topic / Details: Organized and ideated various content and event for GEN-E student association.

When & Where: GEN-E student association of Amrita Vishwa Vidyapeetham in the year 2021.

**INTERNSHIP**

**400 KV grid substation - Sriperumbudur**

Objective: To observe and analyze the Operation and maintenance of 400 KV grid Substation

Tools & Techniques used: Observational Technique Outcome: Learnt about Operation and maintenance of 400 KV grid Substation

**Indo Tech Transformers Limited**

Objective: To observe and analyze the production of Power Transformer and Distribution Transformers.

Tools & Techniques used: Observational Technique Outcome: : Learnt about the manufacturing of Power Transformer and Distribution Transformers.

**Internship studio (Internet of Things)**

Objective: To design a IoT network and ecosystem.

Tools & Techniques used: IFTTT, Adafruit , Teachable machine, Thinker CAD.

Outcome: Learnt about To design a IoT network and ecosystem.

**ACHIEVEMENTS & HONOURS**

**Hockey Clusters**

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Hockey clusters match conducted by BMV, Walajapet in the year 2014 and 2016.

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