

NAME : SAKTHIVEL C
ID NO : 18E637
DEGREE : Bachelor of Engineering
BRANCH : Electrical & Electronics Engineering (Sandwich)
COLLEGE : PSG College of Technology, Coimbatore
LINKEDIN : <https://www.linkedin.com/in/sakthivel-37/>
GITHUB : <https://github.com/Sakthivel372000>



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|------------------------|--|-------------------------------|
| Father's Name | Chendilvelu C V | Permanent Address |
| Gender | Male | No 27,2 ND Street, |
| Date of Birth | 03 July 2000 | Mahaveer Nagar, |
| Languages known | English, Tamil, Hindi | Kolathur, |
| Email | sakthi372000@gmail.com | Chennai -600099, |
| Phone | +91-7871172038 | Tamil Nadu. |

ACADEMIC RECORD

| Course | Institution | Board | Completion By | Marks (%) |
|--------|---|-----------------|---------------|-----------|
| B.E. | PSG College of Technology, Coimbatore | Anna University | 2023 | 8.84* |
| XII | Velammal Higher Secondary School, Thiruvallur | State | 2018 | 92.25 |
| X | Don Bosco Higher Secondary School, Chennai | State | 2016 | 96.2 |

*CGPA up to 8th semester

| Semester | I | II | III | IV | V | VI | VII | VIII |
|-----------|------|------|------|------|------|------|------|------|
| CGPA / 10 | 9.06 | 8.37 | 8.51 | 8.37 | 8.48 | 8.63 | 8.70 | 8.84 |

AREAS OF INTEREST

- Data Structures and Algorithms
- C and C++ programming

SKILLSET

| | |
|----------------------|--|
| Language & Framework | C, C++, JAVA, Python, HTML, CSS, SQL |
| Platforms | Windows |
| Software | Git, Proteus, Codeblocks IDE, Microsoft visual studio code, Adobe Photoshop, Ansys MotorCAD. |

TRAINING DETAILS

| Name of the Industry and Institution | Duration | Type | Area of Exposures |
|---------------------------------------|----------|---------------------------|--|
| PSG Industrial Institute, Peelamedu | 126 days | Part of Sandwich Training | Manufacturing Testing and Maintenance of Motor |
| Neelambur Foundry Division, Neelambur | 26 days | Part of Sandwich Training | Manufacturing of pattern, core and molding |

INTERNSHIP

| Name of the Industry | Duration | Type | Area of Exposures |
|----------------------|----------|----------------|--|
| Ashok Leyland | 3 months | Project Intern | Worked on a team of two in creating a Database for Motors used in E-Powertrains. |

ACADEMIC PROJECTS

- **PERFORMANCE ANALYSIS OF SYNCHRONOUS RELUCTANCE MACHINE:**

Description: Designed a 3 phase 2.2kW SynRM with 90L frame size using Ansys MotorCAD. Analyzed the model with different rotor configurations depending on number of flux barriers. Operating point at which maximum power factor and least torque ripple occurs was found and verified.

- **DAILY JOURNAL WEBSITE:**

Description: The website allows user to create their blog, where user can publish their opinions. Embedded JavaScript Templating is used to generate HTML markup with plain JavaScript. MongoDB is used as the database to save the collections of posts.

- **AUTOMATION OF CRAWLING MECHANISM OF EVs USING COMPUTER VISION:**

Description: A Computer Vision model was developed to automate the crawling mechanism in EVs during traffic, to help the drivers to avoid accidents. The Idea behind is to calculate the distance and speed of foreground vehicle and control the speed of our vehicle when driver switches ON the crawl mode. (In Progress)

CO-CURRICULAR ACTIVITIES

- **Mini Projects**

1. A Simple Todolist Webapp Using JavaScript.
2. Simon game using JavaScript.

- **Online Course**

1. Programming in JAVA (NPTEL MOOC).
2. Data Structures and Algorithms using C/C++ (Udemy).

EXTRA-CURRICULAR ACTIVITIES

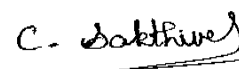
- Served as **Director** for **Rotaract Club**.
- Served as the **Executive** for **Students' Research Council**.
- Has been an active member in Electrical and Electronics Engineering.
- Participated in MIME show in INTRAMS 2019.

HOBBIES

- Reading Books
- Graphic Designing

DECLARATION

I, Sakthivel C, do hereby confirm that the information given above is true to the best of my knowledge.



(Sakthivel C)