# SAKTHIVEL C

## PSG College of Technology,Coimbatore-641004

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# EXPERIENCE

### Upcoming Software Engineer Intern
**Juniper Networks**

📅 January 2023  📍 Bengaluru,K.A

### Machine Design Engineer
**ASHOK LEYLAND**

📅 February 2022 – May 2022  📍 Coimbatore,T.N

- Developed a Database for motors used in E-Powertrain Applications.
- Technology used : Ansys MotorCad,Excel.

### Industrial Training
**PSG Industrial Institute**

📅 December 2018 – Present  📍 Coimbatore,T.N

- Was a part of our curriculum were I learnt about various industrial practices in manufacture of Pumps and Motors.

# PROJECTS

### Automation Of Crawling Mechanism in EV's
**Final Year Project**

📅 July 2012 – October 2018

- Deep Learning + Computer Vision was implement to detect moving vehicles and Pedestrians before our vehicle.
- Used Ultrasonic Sensor for distance measurement.
- Developed a Algorithm to find our car speed based on obstacle speed and distance using C++.
- Technology used : C++, Visual studio Code, Tensorflow, OpenCV, Python
- Hardware used :Raspberry Pi4,Ultrasonic sensor,DC Motor

### SynRM Performance Analysis
**Pre-final Year Reserch Project**

📅 August 2021– November 2021

- Developed a model of SynRm using Ansys MotorCAD by making considerable modifications in Rotor Structure.
- Succesfully reduced Torque ripple and got a model with only 32 Percent ripple factor.
- Improved Power factor of our machine by upto 87 Percentage.
- Technology Used : Ansys MotorCAD.

# EDUCATION

### B.E in Electrical and Electronics Engineering (SW)
**PSG College of Technology**

📅 July 2018 – Present  CGPA:8.84

### Class XII
**Velammal Sr.Sc.School**

📅 June 2018  92.25%

### Class X
**Don Bosco Sr.Sc.School**

📅 June 2016  96.2%

# SKILLS

C/C++  Java  Python  SQL
Data Sructures  Algorithms  Git
RDBMS  Operating Systems
OpenCV  Tensorflow  Pandas
numpy

# COURSEWORK

- Data Structures and Algorithms
- Object- Oriented Programming
- Relational Database Management Systems
- Programming in C++
- Operating Systems
- Data Communication and Networking

# POSITION OF RESPONSIBILITY

- Design Team Member- was a part of EEEA and SRC Associations and was incharge of creating posters and promo videos for various events
- Event Manager- Rotaract Club,EEEA,SRC of PSG college of technology and conducted various coding and non tech events for freshers.

# ACHIEVEMENTS

- Merit Certificate award for 8th semester.
- Won various intra college events in technical and Non-technical fields.