

# SAKTHIVEL S M



+91-6383794174

23<sup>rd</sup> December 2004

<https://github.com/Sakthivel2312>

sakthivelsm2312@gmail.com

76/8, Star Nagar, Gandhiji park road  
Melur, Madurai -625106

## EDUCATION

### B.Tech in Information Technology

*Sri Shakthi Institute of Engineering and Technology*  
October 2022- June 2026 | Coimbatore, Tamil Nadu, India

CGPA: 6.98

### H.Sc

*RV Matriculation Higher Secondary School*  
2022 | Melur, Madurai, Tamil Nadu, India

Board: State Board

Percentage: 78%

### SSLC

*Vetrivel Vidyasala Matriculation School*  
2020 | Melur, Madurai, Tamil Nadu, India

Board: State Board

Percentage: 95.6%

## AREAS OF INTEREST

Web development

Blockchain Security

Software Development

## LANGUAGES

Tamil

English

## SKILLS

### Programming Languages

- Java
- JavaScript

### Databases

- SQL

## PROJECTS

### Carbon Footprint Calculator for Indian Coal Mines

Developed a Java-based website to quantify and analyse carbon emissions from coal mining activities. This tool aims to support sustainability efforts and regulatory compliance in the mining sector.

**Technologies Used:** Java (Spring Boot, JavaFX), MySQL, REST APIs

*GitHub:* [github.com/Sakthivel2312/Carbon\\_footprint\\_calculator](https://github.com/Sakthivel2312/Carbon_footprint_calculator)

### Flower Classification using Deep Learning

The Flower Classification System is designed to identify different flower species based on their visual characteristics, such as color, shape, and texture. Users can upload images, and the system analyzes them to classify the flower type.

**Technologies Used:** Java (DL4J, JavaFX, OpenCV), TensorFlow for Java, PostgreSQL

## CERTIFICATES

- Java Programming - *GreatLearning*
- Programming in C - *simplilearn*
- Front End Development - HTML - *GreatLearning*
- Front End Development - CSS - *Greatlearning*

## PUBLICATIONS

- Carbon Footprint Calculator - IJSREM Journal
- Flower Classification - IJSREM Journal