

SAKTHIVEL C

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 github.com/sakthivel-136  leetcode.com/u/23ucs019  sakthivel-136.github.io/BLOG

Education

Kamaraj College of Engineering and Technology
Bachelor of Engineering (B.E) in Computer Science; GPA: 7.42

Virudhunagar, India
2023 – Present

K.V.S MAT HR SEC SCHOOL
Computer Science; Mark: 380

Virudhunagar, India
2022 – 2023

Skills Summary

Languages: Python, SQL

Frameworks: Flask, Streamlit

Tools: MySQL Workbench

Platforms: Jupyter Notebook, Arduino IDE

Soft Skills: People Management, Excellent Communication, Leadership

Work Experience

Machine Learning Intern

June 2025 – Nov 2025

PANITH INNOVATIONS

- Gained hands-on experience in Supervised, Unsupervised, and Reinforcement Learning algorithms.
- Analyzed real-world datasets to determine effective ML models for industry use cases.
- Collaborated with senior developers on ML model deployment lifecycle in real-time environments.

Projects

AI-Powered Dental Cavity Checker

July 2025

- Developed a real-time healthcare application using Python and Streamlit that allows users to capture and analyze dental images for cavity detection.
- Integrated Live APIs to process image data and deliver instant diagnostic feedback to patients through a secure login portal.
- Utilized Machine Learning frameworks to classify dental health markers, ensuring high precision in real-time analysis.
- GitHub: github.com/sakthivel-136/Cavity-checker

IoT-Based Smart Air Quality & Climate Monitoring System

Nov 2025 – Present

- Designing a product-based IoT solution to monitor air quality, CO2 levels, and temperature across multi-floor buildings in real-time.
- Creating a Predictive Alert System that identifies health risks (e.g., for individuals with Asthma) and detects HVAC inefficiencies based on temperature imbalances between rooms.
- Utilizing IoT hardware and data analytics to provide actionable insights into room maintenance and environmental safety.

Certificates

Networking Essentials

Oct 2025

- Completed 70-hour course on networking fundamentals, protocols, and security essentials.

ML A-Z: Google Looker for Developers

Nov 2025

- Mastered data visualization and business intelligence using Google Looker and ML integration.

Application of AIML for Crop Acreage Mapping

April 2025

- Explored AI/ML models for precision farming and crop yield prediction.