

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 <i>Bachelor of Engineering (B.E) in Computer Science; GPA: 7.42</i>	Virudhunagar, India 2023 – Present
K.V.S MAT HR SEC SCHOOL <i>Computer Science; Mark: 380</i>	Virudhunagar, India 2022 – 2023

Skills Summary

Languages: Python, SQL
Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib
Tools: Excel, PowerPoint, MySQL
Platforms: Jupyter Notebook, Visual Studio Code
Soft Skills: People Management, Excellent Communication, Leadership

Work Experience

Machine Learning Intern <i>PANITH INNOVATIONS</i>	June 2025 – November 2025
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Completed 70-hour course on networking fundamentals, protocols, and security essentials.	
ML A-Z: Google Looker for Developers	Nov 2025
<ul style="list-style-type: none">• Mastered data visualization and business intelligence using Google Looker and ML integration.	
Application of AIML for Crop Acreage Mapping	April 2025
<ul style="list-style-type: none">• Explored AI/ML models for precision farming and crop yield prediction.	