

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	Virudhunagar, India
Bachelor of Engineering (B.E) in Computer Science; GPA: 7.42	2023 – Present
K.V.S MAT HR SEC SCHOOL	Virudhunagar, India
Computer Science; Mark: 380	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 Machine Learning algorithms, including Supervised, Unsupervised, and Reinforcement Learning.• Analyzed real-world datasets to determine the most effective ML models for specific industry use cases.• Studied the practical application of ML types (Classification, Regression, Clustering) to solve complex business problems.• Collaborated with senior developers to understand the lifecycle of deploying ML models in real-time environments.	

Projects

AI-Powered Dental Cavity Checker — Python, Streamlit, Machine Learning, APIs	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 — IoT, Data Analytics	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 — Cisco Networking Academy	Oct 2025
<ul style="list-style-type: none">• Completed a comprehensive 70-hour course covering networking fundamentals, protocols, and security essentials.	
ML A-Z: Google Looker for Developers — Udemy	Nov 2025
<ul style="list-style-type: none">• Mastered data visualization and business intelligence development using Google Looker and ML integration.	
Application of AIML for Crop Acreage Mapping — ISRO Online Conference	April 2025
<ul style="list-style-type: none">• Explored how AI/ML models are revolutionizing precision farming, crop yield prediction, and targeted land area mapping.	