

NITHIN SAKTHIVEL

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OBJECTIVE

Motivated student eager to apply classroom knowledge to real-world experiences, with a strong willingness to learn and contribute.

EDUCATION

B.Tech in Electronics And Communication Engineering

Amrita Vishwa Vidyapeetham, Coimbatore
CGPA-6.33

Expected June 2026

Secondary School Certificate

Sri Chaitanya Techno School (CBSE)
Percentage - 77.4

June 2020

Higher Secondary Certificate

Sri Chaitanya Techno School (CBSE)
Percentage - 76.6

June 2022

SKILLS

Coding Skills

C, Python

Technical skills

Ansys HFSS, AutoCAD, LtSpice

PROJECTS

Smart Blind Stick - Developed a stick for visually impaired peoples using Raspberry Pi Pico. By using a ultrasonic sensor to detect the obstacles and provides a real-time feedback.

Security System - Developed a security system using LDR (Light Dependent Resistor) and Raspberry Pi Pico. Used to detect any unauthorized movements and triggers the alarm.

Simple Satellite - Developed a simple satellite using the BMP, MQ2, and MPU6050 sensors which monitors pressure, motion, and gas concentration.

Temperature Monitoring System - Developed a logic to classify temperature into three ranges: cool, normal, and hot, and display the output on the seven-segment display.

Piano Notes Detection - Developed a code to detect the piano notes in real time using FFT (Fast Fourier Transform) and display them.

AREAS OF INTEREST

- Signals and Systems
- Digital Electronics

EXTRA-CURRICULAR ACTIVITIES

- Created and edited content for social media platforms.
- Managed social media campaigns using Instagram Analytics to boost brands and engagement for startups.