R A J A S E K A R L O K E S H

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S K I L L S

- Programming Languages – C, C++, HTML, CSS, JS (intermediate), SQL.
- Data Structures and Algorithms – Linked List.
- LabVIEW – Simulating Electrical Circuits

E D U C A T I O N

St. Kanakadasa Matric Higher Secondary School, Krishnagiri

- SSLC: 97.4% ***2016-2017***
- HSC: 82.5% ***2018-2019***

Bannari Amman Institute of Technology, Sathyamangalam, Erode • BE ECE ***2020 - 2024***

- CGPA: 8.95 (Upto 7th Semester)

C E R T I F I C A T I O N

NI Certified LabVIEW Associate Developer Valid till May 2024

- Score: 80%

NPTEL Certified The Joy of Computing Using Python

- Score: 79%

A C H I E V E M E N T S

- Finalist team at "HACKAVERSUMM" - September 2022
- Top 10 teams at "Hack O Heist" - August 2022
- Top 10 teams at "Yuva Innovators Challenge" - July 2022

P R O J E C T S

- ***ECO FRIENDLY DEVICE USING STM32 (3 Months) Skills: Embedded System, IOT, Honeywell Sensors***

  Developed a comprehensive air quality monitoring system aimed at fostering pollution-free environments. Integrated sensors to measure ambient temperature, humidity, Air Quality Index (AQI), and light intensity. Leveraged STM32 ARM-based processor to facilitate efficient data processing and analysis.
- ***CROP PREDICTION SYSTEM USING NUTRIENTS IN SOIL (3 Months) - Skills: Embedded Systems, NPK sensors***

  The pH, type, and concentrations of nitrogen(N), phosphorus (P), and potassium (K) in the soil will all be measured using sensors to help estimate the level of nutrient content in the soil. In addition, this device will be used to identify the subordinate nutrients present in the soil, utilizing this information we can determine the crop which is suitable for the soil particularly.

P A T E N T S

- ***ECO FRIENDLY DEVICE USING STM32 (3 Months) Skills: Embedded System, IOT, Honeywell Sensors***

  Developed a comprehensive air quality monitoring system aimed at fostering pollution-free environments. Integrated sensors to measure ambient temperature, humidity, Air Quality Index (AQI), and light intensity. Leveraged STM32 ARM-based processor to facilitate efficient data processing and analysis.