

TECHNICAL SKILLS

C

C++

CURRENTLY LEARNING

Embedded Systems Bare-Metal
Programming Ground Up™
(STM32) – from Udemy

OTHER TECHNICAL SKILLS

COMMUNICATION PROTOCOLS: UART,
SPI, I2C

IoT PROTOCOLS: MQTT

PYTHON

JAVA

FLUTTER

MITAPPINVENTOR

MySQL

HARDWARE BOARDS INTERFACED

AT89S52

PIC16F877a

Arduino UNO

Raspberry Pi 3B

ESP-32S

ESP8266

IoT CLOUD PLATFORMS

Amazon AWS IoT_Core

Thingspeak

Google Firebase

SOFT SKILLS

Disciplined

Organization of Work

Logical Reasoning

Conflict Management

EDUCATION

2018 –
2022
(Expected)

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING

NIIT University, Neemrana, Rajasthan
Cumulative GPA **9.52/10**

2009 - 2018

SECONDARY AND HIGHER SECONDARY EDUCATION

St. John's English School and Junior College,
Chennai, Tamil Nadu
12th Percentile **93/100**
10th Percentile **95/100**

PROJECTS

VACCINES: LAB TO NEEDLE

R&D project in the field of IoT and Blockchain, which aims to improve and provide clarity in the supply chain of the Covid-19 vaccine distribution by monitoring the temperature, humidity and other parameters and integrating data onto the blockchain for transparency and security.

TEMPERATURE CONTROLLER

IoT and PID based temperature controller using the Arduino UNO and ESP8266 which measures the temperature and controls it based on the desired temperature set point selected on the App via Wi-fi.

WAVE

Hand gesture-based home automation system which allows the user to switch between appliances with simple hand gestures using Arduino UNO and APDS9960 gesture sensor.

SMART PLANT ALARMING SYSTEM

A smart alarming system which detects the soil moisture level and notifies the user to water their plants on their phone using Wi-fi via the Arduino UNO and ESP8266.

IDENTIFICATION OF HUMAN MALE AND FEMALE BY SPEECH RECOGNITION

A python application which takes a speech audio wav file as an input and classifies the gender based on the Fast Fourier Transform method.

LANGUAGES KNOWN

Hindi
English
Tamil

INTERESTS

Reading Books
Playing guitar
Gaming(Multiplayer/Singleplayer)
Listening to music
Watching movies
Playing team sports (Cricket, volleyball)

ACHIEVEMENTS

Member of NIIT University's
President's Student Advisory Board

Club Secretary for Science for the
academic year 2017 – 18

Research article on 'Brain controlled
robotic car using raspberry pi'
published on February 11,2020
For more details:
<https://adrjournalshouse.com/index.php/comp-uter-technology-software-app/article/view/712>

Winners of the HackNU 2.0 hackathon
conducted at NIIT University from 27th
May - 3rd June,2020.

CERTIFICATES

2020 Ultimate Guide to Raspberry Pi:
Tips, Tricks and Hacks, Udemy online
course, February 6,2020

Introduction to Flutter development
using dart, May 15, 2020

30 Days of Google Cloud Program,
December 15,2020

Exploring Aws IoT, Udemy online
course, July 24,2021

Arduino Step by Step: Getting started,
Udemy online course, July 25,2021

Foundations Of Data Science,
PadhAIOneFourthlabs, July 30,2021

HOTEL MANAGEMENT SYSTEM

A python application which covers the major aspects of hotel management- check-in, check-out, guest details and the amenities accessed by the guest.

VOLUNTEER EXPERIENCE

siNUoid v2.0

One of the members in the PR and Marketing team of siNUoid v2.0, the annual technical fest of NIIT University, who contacted schools and colleges to participate in the fest.

COMMUNITY CONNECT

NIIT University program where a group of students visit neighboring schools and teach students, and also prepare homework and posters.