LITHEESH KUMAR KAMARTHI

litheesh.kamarthi@gmail.com 7993429770 linkedin.com/kamarthi-litheesh-kumar
github.com/litheeshkumar leetcode.com/litheeshk_14 Litheesh-Portfolio.github.io/

Education

Indian Institue Of Information Technology, SriCity **August 2019 - May 2023**
*Bachelor of Technology in ECE, CGPA of **8.5*** *Sricity, AP, India*

Sri Chaitanya Junior College **June 2017 - May 2019**
*Class 12th, CGPA of **9.79*** *Vijayawada, AP, India*

Sri Chaitanya High School **June 2016 - April 2017**
*Class 10th, CGPA of **10.0*** *Vijayawada, AP, India*

Projects

IoT Connectivity & Object Detection using Drones in Smart Agriculture | Link **Jan 2022 – Dec 2022**

- Developing connectivity between IoT sensors in smart agriculture fields to farmer User Interface (App) by drone with the help of 4G Dongle, Raspberry Pi.
- Data from sensors will be stored in the cloud using Raspberry Pi using MQTT protocol.
- Used a Tello drone to collect data from nodes to the cloud. By computer vision, Tello can correct its path using OpenCV Algorithms.
- Created a web application where the history of data from sensors is visible and users can start actuation from it.
- **Tech Stack** – *Python, Arduino, Raspberry Pi, Adafruit Cloud.*

Sorting Visualizer Website | *HTML, CSS, JavaScript* | Link **Jun 2022 – Jul 2022**

- A web app for visualizing a bunch of different sorting algorithms Like Selection Sort, Bubble Sort, Insertion Sort, Merge Sort, Quick Sort.
- With the functionality of Speed Control and Array Size Control, we can visualize the sorting of the array in website.

EEG Signal Analysis | *Matlab, Python* | Link **Sep 2021 – Dec 2021**

- Studied data from various datasets, Trained and tested the data using ML Algorithms.
- A model applying CNN technique was used since it is widely applied in several articles.
- The application of pre-processing of input data represented improvements in those techniques in which had not been previously applied this strategy.

Automatic Tollgate Management System | *Ardiuno, ThingSpeak* | Link **Feb 2021 – May 2021**

- Developed a system to monitor the traffic near the toll booths and suggests faster lane as a notification to mobile App and displays at entrance of the tollgate.
- Used IR sensor, Servo motors, LCD Display to build the prototype.
- Automated the work and shortened the work at toll gate areas to make faster and safe payments.

Technical Skills

Languages: C, C++, Python, HTML, CSS, SQL
Developer Tools: VS Code, Eclipse, Android Studio
Technologies/Frameworks: Linux, GitHub, Matlab, Arduino

Relevant Coursework

- Data Structures
- Algorithms
- Database Management
- Computer Architecture
- Operating Systems
- Object Oriented Programming
- Computer Networks
- Introduction to Data Analytics

Leadership / Extracurricular

- Achieved 5-Stars in C, C++, Python in Hackerrank.
- Volunteer in IIIT Sricity NSS Club, which organize events like cloth donation, blood donation, and cleanliness drives in Sricity at regular intervals.
- Appointed as Volunteer in 10K run marathon organized in Sricity.
- Organized an event of Annual Cultural Festival in IIIT Sricity.