

SURAJ C S

Engineer

Contact

suraj.ckr22@gmail.com
7892833127
Karnataka, India

Skills

- Python
- Java
- HTML5
- CSS3
- Data Structures & Algorithms
- Computer Networks
- Operating Systems

Education

New Presidency High School

May 2019 - Jun 2020

10TH

I have successfully completed my SSLC from . During my schooling, I built a strong foundation in core subjects and developed skills in problem-solving, critical thinking, and effective communication. My education at New Presidency High School has played a crucial role in shaping my academic journey and preparing me for higher studies.

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE

Present

Sheshadripuram Composite PU College

Apr 2021 - May 2025

12TH/PUC

I have successfully completed my 12th grade with the PCMC (Physics, Chemistry, Mathematics, and Computer Science) combination. This academic background has provided me with a strong foundation in mathematical concepts, scientific principles, and computational problem-solving. Through my studies, I have developed analytical thinking, programming skills, and a logical approach to problem-solving, which are essential for technical and engineering fields.

C++

Projects

JSS Academy of Technical Education

Mar 2025 - Dec 2024

Ear based recognition system

Ear-based recognition systems have emerged as a promising alternative to traditional biometric modalities, such as fingerprints and facial recognition, offering distinct advantages in terms of stability, accuracy, and non-intrusiveness. The human ear's unique anatomical features remain consistent throughout a person's life, making it an ideal biometric trait for long-term identification and verification purposes. Unlike other biometric methods, ear recognition systems do not require physical contact, enabling a hygienic, non-intrusive approach to biometric authentication. Advances in machine learning and computer vision have facilitated the development of sophisticated algorithms capable of accurately extracting and matching the complex features of ear images, regardless of variations in pose, lighting, or occlusion. This system holds significant potential for applications in security, healthcare, surveillance, and mobile device authentication, providing robust identity verification solutions that are both efficient and secure.

Python

Certifications

BMS College of Engineering

Dec 2023 - Dec 2023

CODEATHON

I had the opportunity to actively participate in CODEATHON, a competitive coding event organized as part of Phase Shift 2023, the International Level Annual Technical Symposium held on December 14th and 15th, 2023. It was a great experience that allowed me to challenge my problem-solving skills, collaborate with like-minded peers, and immerse myself in a high-energy tech environment.

JSS Academy of Technical Education

Jun 2024 - Aug 2024

Data structures and Algorithms

In computer science, a data structure is a particular way of organizing data in a computer so that it can be used efficiently. Different kinds of data structures are suited to different kinds of applications, and some are highly specialized to specific tasks. For example, databases use B-tree indexes for small percentages of data retrieval and compilers and databases use dynamic hash tables as look up tables. Important concepts and practical applications in this Data Structures and Algorithms course: Introduction of Data And Types Of Data in Data Structures. Six Major Data Structure Operations Array Introduction, Declaration In C And Initialization In C Program For Initializing And Accessing Elements Of Array Output Of Above Program in Data Structures. Two dimensional array description and declaration Two dimensional Array initialization and accessing two dimensional array element Program for Two dimensional Array initialization and accessing description of prefix and suffix of string Description of substring, index, concatenation, length functions Description of delete and replace functions Description of predefined string manipulation functions in C Programs for string operations Abstract data type description Algorithm and its complexity-space complexity and time complexity Introduction To link list and its representation array vs link list, representation of link list in memory, types of link list Explanation of singly and circular list and starting of creation of node Explanation of creation of node using pen tab Explanation of creation of node using pen tab operations on link list and Insertion of node at the beginning Inserting node at tail Inserting node at a given position Inserting node at a given position remaining part Traversing link list 1 Traversing link list 1 Deletion of node from a given link list Implementation of link list Program for link list Applications of link list Representing Polynomial using link list

C++

JSS Academy of Technical Education

Dec 2024 - Dec 2024

Networking Basics

The internet is built on computer networks. So no matter what kind of tech career you are interested in, it is essential to know some networking basics! Whether you are preparing for a career in networking, refreshing your knowledge for an industry-recognized certification, or are just curious about what networking is all about, this is the place for you.

This course covers the foundation of networking and network devices, media, and protocols. You will observe data flowing through a network and configure devices to connect to networks. Finally, you will learn how to use different network applications and protocols to accomplish networking tasks. The knowledge and skills you gain can give you a starting point to find a rewarding career in tech.

Application Layer Services

IPv4 Addresses

Network Media

NetWork Types

Protocols Standards

Wireless Access

