

# Nivedhitha D

nivedhitha18104@cse.ssn.edu.in  
9445502654

## EDUCATION

### **SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING** BE COMPUTER SCIENCE AND ENGINEERING

Junior | Chennai-603103, India  
Aug 2018 - Sep 2022  
Cum. GPA: 9.43 / 10  
Major GPA: 9.69 / 10

### **SRI SANKARA SR SECONDARY SCHOOL**

COMPUTER SCIENCE STREAM - C++  
Grad. May 2018 | Chennai-600020,  
India  
CBSE XII | 2018: 478 / 500  
CBSE X | 2016: 10 / 10 CGPA  
Literary Club  
Awarded in writing and oratorical  
competitions  
Sports: Basketball • Kho-Kho  
Member of School Basketball team  
Member of School Kho-Kho team  
Member of Blue House Basketball team

## LINKS

Github:// [NivedhithaD](#)  
LinkedIn:// [NivedhithaD](#)

## COURSEWORK

### **UNDERGRADUATE**

Python Programming  
C Programming  
Data Structures  
Unix and Shell Programming  
Object Oriented Programming using Java  
Computer Organization and Architecture  
Operating Systems  
Design and Analysis of Algorithms  
Database Management Systems

### **CERTIFICATIONS**

#### **ONGOING**

Foundations of Data Science by IIT  
Madras | Padhai  
Machine Learning by Andrew Ng |  
Coursera  
The Web Developer Bootcamp by Colt  
Steele | Udemy

## SKILLS

### **PROGRAMMING**

Intermediate: C • C++ • Python • Shell • MySQL  
Beginner: Java • HTML • CSS  
Familiar: MATLAB • Latex

## PROJECTS

### **AIRLINE RESERVATION SYSTEM | SOFTWARE DEVELOPMENT**

October 2019

- Developed the support for multiple users with authentication in either user or admin mode using only C
- Incorporated a simple and clean user interface using just getch() and clrscr()
- Implemented a modification of graph search algorithms to identify direct and indirect flight routes along with two other members

### **FOOD TRUCK PROFIT PREDICTOR | MACHINE LEARNING**

July 2020

- Implemented linear regression with one variable to predict profits for a food truck using MATLAB
- Implemented gradient descent and visualized the data using surface and contour plots

## RESEARCH

### **UNDER-WATER ACOUSTIC RESEARCH LAB | RESEARCHER**

March 2020 – Present

Working with **Dr S Sakthivel Murugan** to design and develop a dual-mode Navigation Suite for an underwater robot that can be operated manually or autonomously.

## EXTRACURRICULAR

### **ACM-W | MEMBER**

August 2020 – Present

Participated in several workshops organized at the college and recently joined the club as a member.

### **IMAGECLEF2020 CORAL | PARTICIPANT**

March 2020 - May 2020

Attempted training a model to annotate, localize and parse coral images using Deep Learning techniques.

### **DEPARTMENT NEWSLETTER | WRITER**

September 2018

Wrote an article for the seventh volume of the department newsletter, Smriti. The article summarized the content covered in a session of the orientation titled "Computing 101: A Bootcamp for Computer Science" organized by the department.

### **NATIONAL SERVICE SCHEME | VOLUNTEER**

August 2018 - Present

Engaged in 85+ hrs of activities including campus cleanups and organic gardening. Responsible for handling the paperwork related to three webinars.