

Nivedhitha D

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EDUCATION

SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING

B.E. COMPUTER SCIENCE AND
ENGINEERING

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

SRI SANKARA SENIOR SECONDARY SCHOOL

Chennai-600020, India
June 2009 - May 2018
CBSE XII | 2018: 478 / 500
CBSE X | 2016: 10 / 10 CGPA
Programming Languages:
C++
MySQL
Literary Club
Awarded in writing and oratorical
competitions
Sports:
Member of School Basketball team
Member of School Kho-Kho 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

- Implemented the support for multiple users with authentication using C
- Incorporated a simple and clean user interface using getch() and clrscr()
- Collaborated with the team to implement a modified graph search algorithm to identify indirect flight routes

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. 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.