

NIEL PAREKH

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EDUCATION

SSN College of Engineering, Chennai
Bachelor of Engineering, Computer Science

August 2018 - Present
Current GPA: 9.00(Upto Semester III)

Padma Seshadri Bala Bhavan Senior Secondary School, Chennai
12th Standard

2017 - 2018
95.0%

Padma Seshadri Bala Bhavan Senior Secondary School, Chennai
10th Standard

2015 - 2016
10.0 CGPA

SUMMARY

I am currently pursuing my Bachelors in Computer Science and Engineering from SSN College of Engineering. I am interested in networking, network security, cloud computing and data analytics and would like to pursue a career in the aforementioned fields. I would like to be associated with a progressive organization that would foster my creativity and give me an opportunity to add value to the organization by sharing my technical and collaborative skills.

PROJECTS

Automated Home Security System

Ongoing

This project uses both IoT and facial recognition using ML concepts.

Colour Seperator using Arduino

Ongoing

This project aims to determine whether a sheet of paper is used or unused thereby determining if it can be reused.

[Colour Seperator Source Code](#)

Temperature and Humidity Monitoring

Ongoing

This project aims to moitor the temperture and humidity of a room using an arduino board along with a DHT 11/22 sensor and pushing that data into a cloud where the data will be analysed for patterns.

[Temperature and Humidity Monitoring Source Code](#)

Hotel Management System

Completed-2019

This project aims to develop an application that mimics the role of a receptionist .Data structures were incorporated in the program .It is written in C.

[Hotel Management Source Code](#)

Hospital Management System

Completed-2019

This projects aims to simulate the real time functioning of a hospital. It is written in Java.

[Hospital Management Source Code](#)

COURSES

Machine Learning A-Z: Hands-On Python R In Data Science Udemy.	Ongoing
Machine Learning by Stanford University Coursera. Course Certificate	Completed
Explore ML (beginner) Google.	Completed
Blockchain Workshop ACM India.	Completed

WORK EXPERIENCE

Internship at Sigsess Technologies	Oct-Nov'2019
Worked on software development for Arduino boards, sensors (ultrasonic, vibration, light intensity, sound, vibrational etc) and basic display elements (2x16 LCD, 8 segment display and a 16x16 LCD). Was also exposed to other boards like nodeMCU (Wi-Fi) and HM-10 (Bluetooth). Worked with high precision stepper motors and controlling them with Arduino code. Was also exposed to web page design and controlling Arduino boards using a HTML page and then went on to learn to control the Arduino using an app made using visual studios. Lastly, connected the Arduino to the thingspeak cloud using the nodeMCU and pushed data into the cloud and extracted data from it. Internship Certificate	

PROGRAMMING SKILLS

- C
- C++
- Java
- Python
- SQL
- C++ for Arduino

EXTRA CURRICULAR

National Service Scheme
Cleaning the college campus
De-silting water bodies in Chennai

Completed a 4 year course on spirituality conducted by Shrimad Rajchandra Mission Dharampur
Volunteered in tree plantation drives and blood donation camps
Relief work during the Chennai floods
Participated in various welfare programs under SRLC

Won several prizes at inter school and college Cultural Events, Debates and MUN's

Won several prizes at science fairs and exhibitions

Involved in the organization of various school and college events

Reverberations(Inter-school culturals)

SSN MUN 2019

Event head

General Administrator