NIEL PAREKH

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EDUCATION

SSN College of Engineering, Chennai   *August 2018 - Present*
Bachelor of Engineering, Computer Science   *Current GPA: 9.10(Upto Semester IV)*

Padma Seshadri Bala Bhavan Senior Secondary School, Chennai   *2017 - 2018*
12th Standard   *95.0%*

Padma Seshadri Bala Bhavan Senior Secondary School, Chennai   *2015 - 2016*
10th Standard   *10.0 CGPA*

SUMMARY

I am currently pursuing my Bachelors in Computer Science and Engineering from SSN College of Engineering. I am interested in data science 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.

TECHNICAL SKILLS

Languages	C, C++, Python, Java, SQL
Software, Libraries & Other Tools	NumPy, Pandas, Boto3, Elasticsearch, LaTeX

WORK EXPERIENCE

Internship at Siqsess Technologies   **Oct-Nov'19**
Worked on software development for Arduino boards integrated with various sensors 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). 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](#)

Internship at Prosimo   **Jun'20 - Aug'20**
The primary goal of this internship is to build these data visualizations and dashboards in Kibana using data injected into Elasticsearch. There were two stages of work involved - data injection and data visualization. In the data injection stage, I worked on a script in python to read the data from cloud storage like AWS S3 using Boto3, manipulate the data to be compatible to store as Elasticsearch documents and insert it into elastic search database. In the data visualization phase, I built Kibana visualizations, dashboards. The 3 main dashboards were - Testbed Infrastructure visibility, Test suite and Testcase Visibilty and User access statistics of web applications.
[Internship Certificate](#)

PROJECTS

Automated Home Security System Ongoing
This project uses both IoT and facial recognition using ML concepts.
Colour Seperator using Arduino Completed-2019
To determine whether a sheet of paper is used or unused thereby determining if it can be reused.
Colour Seperator Source Code
Hotel Management System Completed-2019
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

Business Analytics Specialization (set of 5 courses) Ongoing
Wharton
Course Certificates
AWS Fundamentals Specialization (set of 4 courses) Completed
AWS
Course Certificates
Python for Everybody Specialization with Honours (set of 5 courses) Completed
University of Michigan
Course Certificates
Machine Learning A-Z: Hands-On Python and R In Data Science Completed
Udemy.
Course Certificate
Machine Learning by Stanford University Completed
Coursera.
Course Certificate
Explore ML (beginner) Completed
Google.

EXTRA CURRICULAR

Won the All-rounder award multiple times at school

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
SRLC Website

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

Involved in the organization of various school and college events
Reverberations(Inter-school culturals)   Event head
SSN MUN 2019   General Administrator