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 V)*
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*

TECHNICAL SKILLS

Languages	C, C++, Python, Java, SQL, HTML, CSS
Software, Libraries & Other Tools	NumPy, Pandas, Keras, Boto3, Twillio, Elasticsearch, LaTeX, Flask

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.

Data Science Intern at Prosimo   Jun'20 - Aug'20

The primary goal of this internship was to build these 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.

Data Science Intern at LatentView Analytics   Ongoing

PROJECTS

Mask Detecting System   Completed

Uses concepts of Computer Vision and CNN's to detect whether a person is wearing a mask.

Autonomous car driving system   Ongoing

Uses YOLO algorithm for categorizing images and taking decisions mimicing the role of a driver.

Automated Home Security System   Ongoing

Uses raspberry Pi to take the photo of an intruder and a neural network identifies the person immediately notifying the house owner via SMS and email using the twillio API.

Used Paper Separator   Completed

Uses Arduino to determine a sheet of paper is used or not for recycling purposes.

Hotel Management System   Completed

Uses the power of Data Structures in C to mimic the role of a hotel receptionist.

Hospital Management System   Completed

Uses several OOP's concepts of Java to mimic the role of a hospital administrator.

COURSES

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

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 and organized several inter school and college cultural fests, debates and MUN's