NITIN VINAYAK AGRAWAL

Course : **B.E. (Hons.)**, Mechanical Engineering, 2021
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CGPA : 7.542

Subjects / Electives	Image Processing, Information Retrieval, Foundations of Data Science, Applied Statistical Methods, Computer Programming, Machine Learning, Engineering Optimization, Data Mining, Probability and Statistics, Robotics and Mechanisms, Computer Science using Python
Technical Proficiency	SQL, Excel, Data Science, Linear Algebra, Deep Learning, Statistics, Python, MATLAB, Machine Learning, Probability, Jupyter notebook

SUMMER INTERNSHIP / WORK EXPERIENCE

Data Science Intern, Voziq India Private Limited
Aug 2020 - Present

Client is Vivint Smart Home Security & Alarm Systems
• Working as a part of data science team
• Responsible for Identifying Risk opportunities (reactive and proactive)
• Working on predicting customer churn for the next year based on current customer attributes

Intern, Indian Angel Network private limited
Oct 2019 - Dec 2019

Prepared automation scripts for various day to day activities at IAN.
Majority of scripts involved thorough understanding of the pain points of stakeholders (entrepreneurs and IAN management).
Logical preparation of different workflow and its execution through code scripts.
Work helped cut down some of the operational activities by 60% in terms of Turn Around Time (TAT).

PROJECTS

Time Series Analysis of weather data - Machine Learning
Sep 2019 - Nov 2019

The project was undertaken for the partial fulfillment of the course MATH F432: Applied Statistical Methods
o Worked in a group of 8 students
o The objectives of the project were to analyze and forecast weather for the next month
o The data used was for a given geographical area namely Patan in Gujarat
o The data had 20 raw features including temperature, rainfall with hourly frequency for 10 years from 2001 to 2010
o The year 2010 data was taken for forecasting the weather of the month of January 2011 with the frequency of a day

Blind Man Reading Machine - IOT, Product Development
Oct 2017 - Feb 2018

o Made a project which gives audio output to any visual content on a button click as a team of 5 members
o We used a camera to capture image, did image processing on python using Raspberry Pi as processor
o Gave an audio output via a speaker.
o IOT project to participate in Apogee in 1st year.

POSITION OF RESPONSIBILITY

Team Coordinator - BITS ROBOCON
Apr 2019 - Apr 2020

o Head of a team of 20 undergraduate students
o Build robots in teams as projects
o Management of finances being a self-funded team
o Represent BITS Pilani in robotic competitions

EXTRA CURRICULAR ACTIVITIES

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Deep Learning Specialization	deeplearning.ai	The specialization is a combination of five individual courses hosted by coursera and taught by Prof. Andrew NG (Stanford University) o Neural Networks and Deep Learning o Improving Deep Neural Networks: Hyperparameter tuning, o Regularization and Optimization Structuring Machine Learning Projects o Convolutional Neural Networks o Sequence Models

LANGUAGES KNOWN

English, hindi