PARTH PARASHAR

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OBJECTIVE

To obtain a creative and challenging internship in the area of data science and machine learning so that I can learn and explore career possibilities.

SKILLS

Python (*proficient*, experience 2years) , Java , C++ ,MySQL

Packages for Data Science:

1. **Pandas** (knowledge of important data structures like Data Frame and Series)
2. Numpy
3. MatplotLib
4. **Scikit-learn**

Machine Learning Algorithms:

1. K-Mean
2. K-Nearest Neighbour
3. Regression
4. Random forest and Decision Trees
5. Support Vector Machines
6. **Gradient Boosting** *(XGBoost,Ada Boost)*
7. Neural Nets
8. Principal Component Analysis

Big Data Technologies:

1. Hadoop Architecture
2. Map-Reduce
3. **Hive**(*proficient*)
4. Flume
5. Sqoop

Courses covered till now:

1. **Data Structures**
2. **Design and Analysis of Algorithm**
3. Database Management Systems
4. Computer Organization and Architecture, Operating Systems
5. Artificial Intelligence
6. Introduction to Simulation and Modelling

Roles of Responsibilities and Additional Details:

1. Event coordinator: Deportivos (Sports Fest) and Plinth(Tech Fest).
2. Best Delegate Model United Nations: GTC MUN, IITD MUN,Plinth MUN.
3. Gibson Debate Finalist.
4. IIM Ahmedabad Technopreneur Finalist

EXPERIENCE

Data Science Project/Elucidata

Feb2016 – March2016

Worked on large genomic dataset the contains the Lgals4 and Kif2c genes using Logistic regression found out the interdependence between two genes and finally predicted the probability of disease in the availability of the two respective genes. This information is used to predict the correct combinations of chemicals for production of medicines.

Internship/Radix Info solutions

May2015 – July2015

Worked on official site using Django. Designed a registration application using Python,SQLite,tkinter.Developed a mailing software using Python,tkinter,SQLite and email package. Developed and maintained the development environment used by front end software engineers.

Big data training/Mapping minds, New Delhi

May2017 – July2017

Website Click Stream Data Visualization: Analyzing and visualizing the clicks of the visitors on the website. This helps the developer to understand the behavior of the visitor on the website. Extracting and Uploading data in Hive tables then refining the data in tables using Hive commands. Finally, using Zeppelin analyzed the patterns in data to predict the behavior of customer.

Analyzing Customer Sentiment: I used Solr and the LucidWorks HDP Search to view our streamed data in real time to gather insights as the data arrives in our Hadoop cluster. Next, I used Hive to analyses the social sentiment and collected data from NiFi. Finally, I used Apache Zeppelin to create charts and visualize data directly inside of Hadoop cluster.

Entity Level sentiment analysis

Under Guidance of **Mr Nirmal Kumar Sivaraman**

Aug2017-Nov2017

Comparing two products based on the sentiments of their entities rather than specifications. Using customer review data from Twitter and Flipkart by web scrapping. I extracted the posts for specific entities of product and compared two products based on the customer opinion through plotting the polarity of their opinions. At the end, I was able understand how the overall product polarity graph is integration of its entities' graphs and how we can compare and predict the polarity of customer opinion for a product.

Car Collision Control System/Under Guidance of Prof Ravi Prakash Gorthi

Aug2017-Nov2017

Created an autonomous bot that detects the obstacle using ultrasonic sensors and then computes fuzzy logic in Arduino Uno (ATM 328P). The bot starts deaccelerating at certain distance and when close, stops. The project can be applied to reduce road accidents due to collisions as the technology will stop car before collision and will reduce the speed of car when chance (distance is less than safe distance) of collision.

Detecting Cyber Bullying Using Machine Learning[Currently Ongoing]]

Under the Guidance of Dr Rajbir Kaur

Creating a dictionary of words that a act as token for cyber bullying. I will apply classification algorithm to classify that a certain sentence can lead to cyber bullying or not. I will tokenize the words of a sentence and the apply classification algorithm to get bully score and then apply a scoring formula that will tell that how much a particular sentence leads to bullying.

EDUCATION

BTECH COMPUTER SCIENCE ENGINEERING 2015-2019

LNM Institute of Information Technology, Jaipur, Rajasthan(INDIA).

CGPA:6.9

XII CBSE 2014	90.8%
X CBSE 2012	9.4 CGPA