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## Education

- **Masters of Science in Computer Science,** Expected May 2019
  Virginia Tech, Blacksburg, VA
  - GPA 3.70/4.00
- **Bachelor of Engineering in Computer Engineering**, May 2017
  Pune Institute of Computer Technology (PICT) affiliated by Savitribai Phule Pune University, India.
  - CGPA 9.00/10.00 (First Class with Distinction)

## Work Experience

**Data Analyst Intern at Humana: Data Marketplace** (May 2018 to Aug 2018)

- Developed a platform for assessing the quality of data and it's critique by users.
- Ingesting, profiling the data from Hbase and Hive and extracting the different metrics related to that dataset along with storing that in SQL database using stored procedures.
- Backend was done in C# and AJAX along with UI design in HTML, CSS and Bootstrap.
- Created a sentiment analyzer in Python using Naive Bayes Classifier.

**Research Intern: Stock Market Analysis** (Jun 2016 to Oct 2016)**:**

- Developed a Deep Learning Model for analysis of the stock market using back propagation and NARX algorithm. I was instrumental in cleaning and training the data based on the model we had used. The data was preprocessed using the Orange toolkit and the training and testing was done using MATLAB.

**Web Design Intern at Tweeny: Point of Sales System,** (2016)

- Created a web application for the Point of sale (POS) to manage the menu of various restaurants in AngularJS with the backend of MongoDB.
- Made sure that the orders placed were synchronous and also worked on the backend by designing the schema.

## Related Experience

**Runtime Help Eclipse Plugin** (2018)

- An Eclipse plugin based in Java which allows users to select runtime errors from the console and search the solutions on StackOverflow.
- Errors are searched on Google and the top links from that page are selected the StackOverflow answers are displayed on a console.

**Data Analytics Course Project,** (2017)

- Project based on company data which included information of employees, websites visited, logoff and logon times etc. We had to pinpoint on certain employees who could be a possible threat to a company. Various statistical and data analysis methods were used. Python, Spark and NetworkX was used for analyzing, processing and visualizing.

**Parts of Speech Tagger along with Text to Speech conversion,** (2017)

- Developed a system in Python which trains the NLTK treebank corpus using a Decision Tree Based Classifier and learns from it based on the feature selection. The frequency of Nouns, Verbs and Adjectives are plotted on a bar graph based on users input file.

**Final Year Project: Next-Gen Router,** (2016-2017)

- Developed a product in NodeJS and OpenWRT which allows the admin to change the bandwidth allocated for each application connected to the router with the backend as MongoDB.
- Blocking of websites was done by using AWS (EC2 server) so that websites could be blocked remotely without having to be within the vicinity of the Wifi network.

## Technical Skills

- Programming Languages – Java, Python (pandas, numpy, matplotlib, scipy, scikit, NLTK), R, C#
- Databases - Cassandra, SQL, MongoDB, HBase
- Frameworks - NodeJS, AngularJS
- Machine Learning : Classification, Regression, Clustering, Reinforcement Learning
- Deep Learning- Tensor Flow, Keras
- Big Data: Hadoop, Hive, Spark, StreamSets, Kafka
- Visualization Tools: Tableau, NetworkX, Plotly
- Courses: NVIDIA -Deep Learning for Computer Vision, AWS Associate Level (Ongoing)