Utkarsh Ranjan

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Professional Summary

Machine Learning and Data Science (MLDS) graduate student studying at UC San Diego. Interested in Natural Language Processing and Data Science.

Skills

- Languages : Python, R, C++
- Big Data : Map Reduce, PySpark
- Machine Learning : PyTorch, Pandas, Numpy, spacy, TensorFlow
- Technologies : MongoDB, Git

Education

M.S. in Electrical & Computer Engg. (Major: Machine Learning & Data Science) - Master of Science - 2024
University of California San Diego - *La Jolla, CA*

- **Coursework :** Programming for Data Analysis, Probability and Statistics for Data Science, Applied Statistics, GPU Programming

Electrical Engineering - B.Tech - 2019
Indian Institute of Technology (BHU) Varanasi - *Varanasi, UP*

- **Coursework :** Distributed Computing, Introduction to High Performance Computing, Parallel Computing, Probability and Statistics, Introduction to Programming using Python, Data Structure and Algorithm

Work History

Senior Data Science Associate - April, 2021 to June, 2022
Gartner - *Gurugram, HR*

- Brought down the time spent from 2 weeks to 15 minutes for classifying client comments by creating a classification model using BERT
- Looked for trends and keyboards across client comments
- Created graph embeddings for clients using Neo4j to train and suggest recommendations for clients based on their digital footprints

Data Science Associate - June, 2019 to March, 2021
Gartner - *Gurugram, HR*

- Developed a text classifier to mine the root causes of dissatisfaction from client feedback. Reached an F1- Score of 75% for determining action areas for corresponding business units
- Spearheaded the development of an automated mailing system for service executives to ensure swift issue resolution and tracking
- Created a performance metric: SIVR using multivariate analysis on client engagement data to calculate the quality of value interactions with clients
- Led to $250,000 of cost savings annually through a one-stop solution for analyzing client feedback onmultiple product segments

Data Science Intern - May, 2018 to July, 2018
Gartner - *Gurugram, HR*

- Trained and test various supervised algorithms like Random Forest, Naïve Bayes and SVM using TF- IDF feature vectors to create a new FILTER in the tool achieved a classification accuracy of 83%
- Brought down the time spent from 15 hours per week to 2 hours by automating the process of report generation using python for efficient client service
- Received a pre-placement job offer in a full-time position in lieu of exemplary work done during the internship