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EDUCATION

Minnesota, MN **University of Minnesota – Twin Cities** **Fall 2013 - Present**

- Master of Science in Computer Science. GPA: 3.8/4
- Graduate Coursework: Machine Learning, Introduction to Data Mining, Statistical Analysis, Advanced Algorithms and Data Structures, Foundations of Advanced Networking, Directed Research, Harvesting Big Data, Predictive Learning, Artificial Intelligence 1, Independent Study

Bhubaneswar, India **Indian Institute of Technology Bhubaneswar** **June 2009 – May 2013**

- Bachelor of Technology in Electrical Engineering. GPA: 8.17/10
- Undergraduate Coursework: Programming and Data Structures, Computer Architecture and Operating Systems, Digital Signal Processing, Soft Computing and Evolutionary Algorithms, Image and Video Processing

EMPLOYMENT

Data Science Intern **Contata Solutions** **May 2014 – Present**

- Classification of articles into categories, Topic Modeling
- Classification of restaurant reviews into categories and finding sentiment related to the categories
- Correlation Analysis of user activity and product preferences
- Use NLP to determine which company or person is the subject of the article
- Expand user queries to retrieve relevant article
- Develop a model to determine if patents are similar or not

Graduate Research Assistant **University of Minnesota – Twin Cities** **Jan 2014 – May 2014**

- Worked on CBM-R progress monitoring data (time series data) to develop FAST (Formative Assessment System for Teachers) tool
- Analyzed the student CBM-R data to remove outliers and fit a model to give recommendations regarding student performance

Tutor **University of Minnesota – Twin Cities** **Sep 2013 – May 2014**

- Courses: Math, Statistics, Computer Science

Teaching Assistant **Indian Institute of Technology Bhubaneswar** **Aug 2012 – Apr 2013**

- Course: Programming and Data Structures

PROJECTS

Twitter-Weather-Reporter: - Developed a utility which analyzes the tweet and determine whether it has a positive, negative, or neutral sentiment, whether the weather occurred in the past, present, or future, and what sort of weather the tweet references

Twitter-Movie-Rater: - Developed a utility which lets user find rating for a movie (out of 10) based on latest public tweets related to that movie using a classifier and sentiment analysis of tweets

Quora-Answer-Classifier: - Implemented classifiers (Naive Bayes, Logistic Regression, Random Forests, AdaBoost, SVM, LDA, QDA, Decision Trees) with different feature selection methods such as feature scaling, Lasso feature selection and Linear feature selection and compared their accuracy in identifying good answers from bad answers

User-Behavior-Based-Recommender: - Modeled the user behavior based on user transaction and interaction history using temporal hypergraphs so as to give recommendations by ranking various items for a queried user based on the previous behavioral and personal data of the user

myHash: -Designed a hashing algorithm which uses Huffman coding to create unique signatures for strings and compared collisions with established hashing schemes like DEK, PJW, BKDR, DJB and AP. Further reduced the collisions by Bloom Filter implementation

Languages And Technologies

- C, Python, C++, Latex, MATLAB, R, Octave, Scikit, NLTK, Stanford NLP, WEKA, Elasticsearch, Hadoop, Gephi, Gensim, Graphlab, Pandas, Tableau, Twitter API, Facebook API