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OBJECTIVE

To secure a challenging and accountable position in a growth oriented organization where one's innovative ideas, technical skills and abilities can be utilized to augment the growth of organization and for career advancement. Educating myself in a positive, progressive and to gain as much as knowledge I can.

EDUCATION

QUALIFICATION	BOARD/UNIVERSITY	YEAR	PERCENTAGE
B.E (Production engineering)	Birla Institute of Technology, Mesra	2013-2017	7.83 (CGPA)
Class X11	Narayana junior college, tarnaka	2013	96%
Class X	Narayana Olympiad school, bowenpally	2011	93%

PROJECTS

- **PROJECT TITLE**: **Recommender system based on Collaborative filtering algorithm)** (May 2017 – 8th Sem)
- **TECHNOLOGY**: Python
- **DESCRIPTION**: Recommender systems are a subclass of information filtering system that seek to predict the 'rating' or 'preference' that a user would give to an item. This application provides the user with the list of recommendations he may like. Collaborative filtering approaches build a model from a user's past behavior (items previously purchased or selected and/or numerical ratings given to those items) as well as similar decisions made by other users
- **Project Link**: https://github.com/jayachandrareddykamineni/Recommendation-System

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- **PROJECT TITLE**: **Sentiment Analysis on Amazon review data**
- **Approach**: 1) Using Graphlab and logistic classifier
  2) Using nltk, scikit-learn, bag of words concept and Random forest classifier
- **TOOLS**: Python, GraphLab, SFrame, nltk, scikit-learn, stopwords, Porterstemmer.
- **DESCRIPTION**: Sentiment Analysis is the process of computationally identifying and categorizing opinions expressed in a piece of text, especially in order to determine whether the writer's attitude towards a particular topic, product, etc. is positive or negative. I created model that predict a class (positive/negative sentiment) from input features (text of the reviews).

- **Project Link1(GraphLab)**: https://github.com/jayachandrareddykamineni/Sentiment-Analysis-using-GraphLab--Very-fast-
- **Project Link2(Using nltk, bag of words):** https://github.com/jayachandrareddykamineni/Sentiment_Analysis-using-BagOfWords-concept-nltk-

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- **PROJECT TITLE**: **YouTube Comment Analysis**
- **TOOLS AND TECHNOLOGY**: Python, NLP, nltk, wordnet, synsets, word_tokenize, pos_tag, stopwords, PorterStemmer, CountVectorizer.
- **Objective**: To Find best similar comments (Semantic similarity) to video transcript.
- **Description**: Semantic similarity is a confidence score that reflects the semantic relation between the meanings of two sentences. In this project I found semantic similarity between YouTube video transcript and its comments. Further I showed the best similar comments to transcript.
- **Approach**: First each sentence is partitioned into a list of tokens.
  Part-of-speech disambiguation (or tagging)
  Stemming words
  Find the most appropriate sense for every word in a sentence (Word Sense Disambiguation)
  Finally, compute the similarity of the sentences based on the similarity of the pairs of words.
- **Project Link**: https://github.com/jayachandrareddykamineni/Youtube_Comment_Analysis

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- **PROJECT TITLE**: **Analysis of Industrial Data using MINITAB** (Software) (Dec 2016 – 7th Sem)
- **COMPANY**: ALCAST
- **DESCRIPTION**: Main objective was to apply Six sigma methods to reduce rejections in the manufacturing process at ALcast company. We used DMAIC (Define, Measure, Analyze, Improve, Control Phase) methodology to solve the problem and performed analysis using MINITAB statistical software. Approach follows defining the problem in Define phase and collecting the data about the process and product dimensions in Measure phase. In Analyze phase we applied various data analysis tools using Minitab. In process capability analysis performed in Minitab DPMO (Defects per million opportunities) and Z.bench score revealed the process to be about 3 sigma process and we had lot of opportunity for improvement in the process. Later we prepared Fish bone diagram and identified potential factors to analyze like skill of operator, duration of material used, tools replacement frequency. We then used Minitab to perform Paired Sample T tests on each of these factors. T-value and P-value obtained after T tests revealed significance of these factors on rejection. In our analysis skill level of operator, duration of material used did not have significant effect while tools replacement frequency significantly resulted in rejections.

EXPERIENCE

TECHNICAL ANALYST

- **COMPANY**: GROUP EUREKA (ecommerce platform www.9dukan.com)
- **DURATION**: 1st FEB 17 – 30th JUNE 17
- **Description**: My internship activity includes working on huge customer data of ecommerce platform **https://9dukan.com/** to extract the meaningful information, knowledge and enable the company make better business decisions. I have been introduced to Machine learning and Datamining technologies. I

worked on the development of various ML models (Classification and Clustering models) to find the potential customers and segregate similar customers into groups for the purpose of social networking ads and marketing to increase the sales of the company. I gained hands on experience working on Python, Java and Backend technologies like SQL, Databases.

SKILLS

- Python, R
- Java, C languages
- SQL (Query Language)
- Database - MySQL, Oracle
- Machine learning
- NLP, CV(OpenCV), Regression, Classification and Clustering models.
- Scraping and Datamining
- Unix
- HTML, CSS
- Django (Basics)
- Minitab (Statistical software)
- MS Office

COURSES

- Java Programming - UDEMY CERTIFIED COURSE
- R Programming - UDEMY CERTIFIED COURSE
- Machine Learning: Hands on Python and R - UDEMY CERTIFIED COURSE
- Scraping and Datamining – UDEMY CERTIFIED COURSE
- Basics of Web development (HTML5, CSS3) - COURSERA

ACHIEVEMENTS

- GRE - 314(Q-170, V-144, AWA-3.5)
- IELTS - 7(Reading 8.5, Listening 7, Speaking 6.5, Writing 6.5)
- Secured 99+ percentile in JEE MAINS (All India Entrance Examination for Engineering)
- Secured 12700 All India rank in IIT-JEE (Indian Institute of Technology Joint Entrance Examination)
- Secured 1391 All India rank in Cyber Olympiad Exam
- Secured 7637 International rank in International Mathematics Olympiad

EXTRA CIRRICULAR ACTIVITIES

- National Cadet Corp (NCC), Cadet of 3-JHA CTC.
- Organized stalls during BITOTSAV (College fest)
- University football team and Futsal team member.

DECLARATION:

I hereby declare that all the statements made above is true and correct to best of my knowledge.