Kannav Dhawan

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EDUCATION

Meng, Electrical & Computer Engineering
University of Waterloo

09/2019 - 12/2020 *92/100*

Relevant Courses

- Data Knowledge Modelling & Analysis
- Tools of Intelligent systems design
- Text Analytics and Data Analysis
- Image Processing & visual communication

B.Tech, Computer Science
GGSIPU, New Delhi

06/2014 - 08/2018 *88/100*

Relevant Courses

- Data structures
- Algorithm design and analysis
- Machine Learning
- Data Mining and Business Intelligence

WORK EXPERIENCE

Systems Engineer Trainee
Infosys Limited

12/2018 - 03/2019 *Mysore, India*

Achievements

- Developed a state of art intelligent system for assignment of technologies to trainees giving an accuracy of 94% and implemented multiple projects for the strategic growth of organization's teaching academy leveraging machine learning and data analytics.
- Completed rigorous training on Python, Hadoop, SQL, Data engineering fundamentals, Machine learning, BI tools, selenium and solved the real-world problems.

Programmer Analyst Trainee
Cognizant Technology solutions

09/2018 - 11/2018 *Chennai, India*

Achievements

- Collected, studied and interpreted complex datasets while getting exposure to legacy mainframe applications as a trainee.

Channel Accounts Associate
Times Internet | TeamLease Services Limited

01/2018 - 05/2018 *New Delhi, India*

Achievements

- Efficiently managed more than 150 channel partners across the globe for distributing E-commerce solutions for the product "GetMeAShop" by resolving data inconsistencies using SQL and Business Intelligence.

Founder
Ghar On Rent- Real Estate Portal

05/2015 - 09/2016 *New Delhi, India*

Achievements

- Developed a portal for the realtors to list properties and complete the sales cycle by effectively leveraging the personalized price modifications and the collective customer behaviour using predictive analytics.

SKILLS

Python | JavaScript | R Programming | Selenium | Junit and Mockito | Jenkins | HTML5/CSS3 | SQL Server | Quality Assurance | User Acceptance Testing | Hadoop | Sqoop | Kafka | Hive | HBase | Azure | Selenium | Django | Flask | Git | Docker | AWS | Keras | TensorFLow | Scikit-Learn | NLTK | Gensim | Pandas | NumPy | Matplotlib | Hypothesis and A/B testing | Seaborn | Plotly | Tableau | Power BI | IBM SPSS | Natural Language Processing | Statistics

PROJECTS

Stance detection in Fake News Challenge

- Developed end to end models for stance detection between the News article and headline to combat the problem of fake news.
- An improvement of 5.29% on the competition set by employing different pipelines with variable stack of methodologies including CNN, LSTM, merge mechanisms and classical machine learning algorithms(Random Forests, Decision Trees, SVM etc.) with different feature generation techniques.

Extractive & Abstractive text summarization

- Implemented a pipeline consisting of abstractive and extractive methodologies for text summarization to solve the problem of "non-coherence" in the generated summaries.
- Ensemble CNN model with hand crafted feature engineering having different embeddings like Word2Vec, FastText were developed. Rouge scores and polarity metrics were used for the model evaluations.
- An end to end model was developed for web articles summarization using the best extractive summarization technique obtained.

Text classification | Amazon and IMDB reviews

- NLP pipeline was employed using Multinomial naïve bayes for text classification with variations of n-grams and vectorizers.
- Glove, FastText and Word2Vec embeddings with feed-forward neural network having varied hyperparameters for classification was implemented delivering state of the art results.

Data Analysis & Classification | Kaggle Competitions

- Multiple datasets (*viz. Fashion MNSIT, Digits Dataset, Iris, Wine quality, CIFAR10, Stock Market, COVID 19 etc.)* were analyzed using classical machine learning algorithms (*Decision Trees, Random Forest, Text Mining, SVM, Clustering Techniques, PCA, LDA etc.*).
- Deep learning models viz. Feed-Forward Neural Networks (*CNN, ResNet etc.*) and Recurrent Neural Network like LSTM were implemented.

MigrateBoard- www.migrateboard.com

- Developed a portal for providing complete support to students willing to study abroad in Canada.
- Leveraging Artificial Intelligence in the backend to route the upcoming students to the predicted Counsellors according to the matched previous experience and desired course verticals.