

EASHAN ARORA

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Education

Jaypee Institute Of Information Technology, Noida, Btech Computer Science
Current Cgpa-6.3 - July 2016 to June 2020

Work Experience

Sify Technologies-Ltd Noida

May'19 - July'19

Project Intern, Noida

- An Energy Management Project based on IOT and cloud services. "V2 RETAIL" (a Walmart) had problems regarding the electrical consumption at a load level. We were a team of 4 members and through the help of IoT device that makes use of various sensors and smart meters to automatically sense the environment and power conditions and thus control the temperature according to need.

Radix Info Solutions(P)Ltd Delhi

June'18 - September'18

Data Science Intern

- As a data science trainee I got various knowledge about the fundamentals of strong Python libraries, data cleaning, data visualization and various statistical models used for data mining approach. The project was based on using various data mining approaches to predict the behaviour of people visiting a particular restaurant by using the Zomato dataset for Karol Bagh region, New Delhi

Projects

Abstractive Text Summarization using New Embeddings from language model

July'19 - Ongoing

- This project is based on the text summarization for long documents. We are going to apply Embedding for every sentence in the dataset (Tourism) extracted online and then perform clustering so that every related sentence falls in a particular cluster.
- Language and Tools used: Python, ELMo, Google Colab

Word based level Machine Translation (English to Hindi)

Jan'19 - June'19

- Parallel training on a language translation using sequence-to-sequence model from the NLP architecture with the help of vectorization of every word. (With every word having a unique label encoded vector). The results were not as good as expected since we were using two completely different languages altogether.
- Language and Tools used: Seq-Seq model, NLP, Python, Google Colab

Data mining approach to predict Forest fires:

Aug'18 - Dec'18

- Designed a thorough comparative study to showcase the relative and absolute efficacy of various different Data Mining techniques in predicting the expanse of forest fires by taking as inputs the least possible number of readily available meteorological weather variables of that particular area. The finest results were shown by DECISION TREE model as the data was time-series.
- Language and Tools used: Data Mining Models, Python, Jupyter

Movie Reviews Sentiment Analysis

January'18-May'18

- Performed basic sentiment analysis of IMDb movie reviews dataset extracted from Kaggle an online platform. Basic data pre processing and applied CBOW for word embedding of every sentence in the corpus.
- Language and Tools used: Python, Spyder

Research Experience

Extending bidirectional language model for enhancing the performance of sentiment analysis

Jan'19-May'19

Author(s)

Eashan Arora, Sakshi Mishra, K. Vimal Kumar, Pawan Upadhyay

International Conference on Cybernetics, Cognition and Machine Learning Applications, Goa, August, 2019, accepted for publication

Comparative analysis of word embedding models

AUG'18-Dec'18

Author(s)

Shruti Ahuja, Skandha Choudhry, Dara Nanda Gopala Krishna, Eashan Arora, K. Vimal Kumar

20th International Conference on Computational Linguistics and Intelligent Text Processing (CICLING), La Rochelle, France, April, 2019, accepted for publication

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Additional Activities

Portfolio :<https://eashan27.github.io/portfolio> LinkedIn

:<https://www.linkedin.com/in/eashan27> GitHub

:<https://github.com/eashan27>

Blog :<https://myideasleo270798.wordpress.com>

Extra-Curricular Activities

1. Participated in Jaypee Model United Nations Conference and held the prestigious position of delegate and displayed exemplary skills of research, diplomacy and leadership held at IIIT, Noida on 20-21 January, 2018
2. Own a Blog at WORDPRESS- @myideasleo270798
3. Volunteer at Rotaract Club Of Outstanding Business Students.
4. Presented my research paper at International Conference on cybernetics, cognition and Machine Learning Applications
5. Volunteer at Cybersrishti 2018-The technical fest of IIIT

Relevant Courses

Software Engineering
Data Structures
DBMS

Cloud Based Enterprise Applications
Operating System

Computer Skills

- **Languages:** Python,SQL,C++
- **Other Tools/Framework:** Machine Learning, Natural Language Processing, Deep Learning,Anaconda,Google Colab
- **Platforms:** Windows