Yash Kumar **Atri**

PH.D. SCHOLAR @ IIIT DELHI

C204, Old boys hostel, IIIT Delhi, Delhi

(+91) 95-3638-2866 | yashkumaratri@gmail.com | yashkumaratri | Yash Kumar Atri | yashkumaratri | @yashkumaratri | yashkumaratri

Education

IIIT Delhi | *Delhi*

PH.D. IN COMPUTER SCIENCE AND ENGINEERING | *2020 - Present*

- GPA : 8.71
- Advisor : Dr. Vikram Goyal, Dr. Tanmoy Chakraborty
- Topic : Advancing text and multimodal summarization, and Uncovering biases to bring Fairness.

Jaypee University Anoopshahr | *Anoopshahr*

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING | *2014 - 2018*

- GPA : 8.1
- Advisor : Dr. Amit Kumar
- Topic : Machine translation in Indian languages.

Publications

Promoting Topic Coherence and Inter-Document Consorts in Multi-Document Summarization via Simplicial Complex and Sheaf Graph | *EMNLP 2023*

YASH KUMAR ATRI[*], ARUN IYER, TANMOY CHAKRABORTY, VIKRAM GOYAL | *2023*

Multi-Document Summarization using Selective Attention Span and Reinforcement Learning | *TASL*

YASH KUMAR ATRI, VIKRAM GOYAL AND TANMOY CHAKRABORTY | *2023*

Fusing Multimodal Signals on Hyper-complex Space for Extreme Abstractive Text Summarization (TL;DR) of Scientific Contents | *SIGKDD*

YASH KUMAR ATRI, VIKRAM GOYAL AND TANMOY CHAKRABORTY | *2023*

Inline Citation Classification using Peripheral Context and Time-evolving Augmentation | *PAKDD*

PRIYANSHI GUPTA, YASH KUMAR ATRI, APURVA NAGVENKAR, SOURISH DASGUPTA, TANMOY CHAKRABORTY | *2023*

Assessing the Quality of the Datasets by Identifying Mislabeled Samples | *ASONAM*

VAIBHAV PULASTYA, GAURAV NUTI, YASH KUMAR ATRI AND TANMOY CHAKRABORTY | *2021*

See, Hear, Read: Leveraging Multimodality with Guided Attention for Abstractive Text Summarization | *Elsevier KBS*

YASH KUMAR ATRI[*], SHRAMAN PRAMANICK[*], VIKRAM GOYAL, TANMOY CHAKRABORTY | *2021*

Corpora Evaluation and System Bias detection in Multi Document Summarization | *EMNLP Findings*

ALVIN DEY[*], TANYA CHOWDHURY[*], YASH KUMAR ATRI[*], TANMOY CHAKRABORTY | *2020*

Work Experience

Laboratory for Computational Social Systems (LCS2) | *IIIT Delhi, Delhi*

RESEARCH ASSOCIATE | *Sep. 2019 - Dec. 2019*

- Finding corpus and system biases in multi document summarization.
- Optimizing the summarization quality with the aid of automatic speech recognition (ASR) and computer vision (CV).

Lumiq.ai
Noida

SOFTWARE ENGINEER (DATA SCIENCE)
July. 2018 - Aug. 2019

- Designed and developed a system to recommend product and brand based on a customer's history for one of the India's biggest finance company.
- This system studies the customer's history, his need and the brand preferred for his new sale thus providing better offers and saving the overall time.
- CXTE: Developed an end to end system for structuring and transforming unstructured text data using ensemble modelling in publishing domain.
- Grammar Correction : Designed and developed a LSTM + Attention based neural network architecture for correcting grammatical mistakes. BLEU4: 69.64.
- Designed and developed RCNN based neural architecture to find fraud behaviours in a live video stream.
- Designed and Developed Resnet + CTC based system for text recognition in structured scanned Document. Error Rate:3%.
- Developed a system to remove duplicate data using Elasticsearch fuzzy matching.

Lumiq.ai
Noida

AI ENGINEER (INTERN)
Feb. 2018 - June. 2018

- SA: Designed and developed a MLSTM based neural network architecture for sentiment analysis in long text.
- Researched on building speech to text engine for english and hinglish (Indian accent) data.
- Saved millions for one of the biggest India's automobile loan lender by recommending bad customers before loan disbursement.

Primelite Technologies
Noida

DATA SCIENTIST (INTERN)
May. 2017 - July. 2017

- leveraged time series forecasting to Increase the overall efficiency and life of telecom products by 30%.
- Developed a chatbot using intent classification and context remembering for handling customer queries.

Trignosoft Technologies
Noida

ANDROID DEVELOPER (VIRTUAL INTERN)
May. 2017 - June. 2017

- Made an android app for managers to track employees time in and out and leave requests.

Skills

Programming	Python, C/C++, HTML, Unix Shell, XML, SQL
Libraries	Pandas/Dask, scikit-learn, Keras, Tensorflow, Pytorch, Flask, airflow
Interests	Machine Learning, Deep Learning, Data Analytics, N.L.P.

Program Committees

Reviewer, EMNLP23, ACL23, ICON22, EMNLP22, ASONAM22	*-*
Organizer & Coordinator, BDA 2023 conf, ICON 2023 conf, ACSS 2022, 2021, 2020, Cofad 2020 Workshops	*IIITD*
Fellow campus Ambassador, Geeks for Geeks Coding club	*JUA*
Vice Chair Student Branch and Member, IEEE Students association	*JUA*

Professional Courses

Data Analytics, Studied Python and R for EDA and feature extraction.	*JUA*
Ethical Hacking, Presented hands on with basic hacking techniques such as phishing and man in the middle attack.	*JUA*
Robotics and Embedded systems, Built small scale robots and learnt programming arduino systems.	*JUA*
Big Data and Hadoop, Learned how to process large amount of data using big data techniques.	*JUA*
Android, Made small scale android applications using Java/Android Studio.	*JUA*

References

Dr. Vikram Goyal
Professor, Department of CSE
IIIT Delhi
Delhi
✉ vikram@iiitd.ac.in
+91 9311-832-905

Dr. Amit Kumar
Department of CSE
Université de Caen Normandie
France
✉ amitiiitp14@gmail.com
+91 7466-9760-41