

# Daksh Rawat

Software Developer

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## EDUCATION

### IIIT HYDERABAD

B.TECH (HONS.) IN COMPUTER SCIENCE

2018-2022

Cumulative GPA: 8.41/10

Dean's List

## LINKS

[linkedin.com/in/daksh0225](https://www.linkedin.com/in/daksh0225)

[github.com/daksh0225](https://github.com/daksh0225)

## COURSEWORK

Data Structures and Algorithms

Information Retrieval and Extraction

Machine Learning

Operating Systems

Computer Graphics

Computer Vision

## SKILLS

### PROGRAMMING

Day to Day:

Java • Python • C/C++

Familiar

JS • Bash

### DEVELOPMENT

Flask • ReactJS • Flutter • ES

MongoDB • SQL • HTML • CSS

### OTHERS

PyTorch • Git • Linux • Docker

## ACHIEVEMENTS

• **ACM ICPC 2020-21**: Qualified for Asia Amritapuri Regionals by securing a rank of 490 out of 3500 teams.

• Secured 4812 rank in **Google**

**Kickstart 2021 Round C**

• Participated in **Google Code Jam 2021**

• KVPY Scholar 2018

• AIR 817 out of 1.2 million in JEE Mains 2018

• AIR 1437 out of 0.25 million in JEE Advanced 2018

## EXPERIENCE

### SPRINKLR | PRODUCT ENGINEER

July 2022 - Present | Gurgaon, India

- Currently working on length based content filter to remove the spam messages and provide the user with more meaningful ones.
- Developed a microservice to automate the execution of Excel macros to save the user's time and effort.

### IREL, IIIT HYDERABAD | UNDERGRAD RESEARCHER

May 2020 - May 2022 | Hyderabad, India

- Did research in the field of Natural Language Processing under **Prof. Vasudeva Varma**.
- Worked on Textual Coherence Modeling and Attribute Template Generation.

### SPRINKLR | PRODUCT ENGINEER INTERN

May 2021 - July 2021 | Gurgaon, India

- Added new plugin to Elasticsearch which enables index sandboxing.
- Tests which need to make requests to ES can now run in parallel inside their own sandbox environment each making request to its own sandbox indices.

## PROJECTS

### TEXTUAL COHERENCE EVALUATION

- Implemented different transformer models to evaluate the coherence level of a given piece of text. The results obtained are better than the SOTA.

### WIKIPEDIA SEARCH ENGINE |

- Developed Search Engine for Wikipedia dump (80GB) using external merge sort and secondary indexing with query time under 5s. Ranked results by calculating relevance of search query to results using tf-idf.

### FELICITY 2020 ANDROID APP | |

- Developed the android app for the annual college fest. The app was built using Flutter and Firebase, and supported Google sign in, event registration and push notifications, and is hosted on the Google Play Store.

### REAL-TIME COLLABORATIVE TEXT EDITOR |

- Built a Real-Time Collaborative Text Editor, which uses CRDT for conflict-free collaboration and WebRTC for peer-to-peer communication.

## PUBLICATIONS

- Tushar A., Daksh R., Manish G. & Vasudeva V. (2021). *Fact Aware Multi-task Learning for Text Coherence Modeling*. Pacific-Asia Conference on Knowledge Discovery and Data Mining, 340-353