

Amit Kumar

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EDUCATION

Indian Institute of Space Science and Technology

- Master of Technology in Machine Learning and Computing
CGPA: 7.68/10

Thiruvananthapuram, Kerala

Aug. 2020 – July, 2022

Jabalpur Engineering College

- Bachelor of Engineering in Information Technology
CGPA: 7.44/10

Jabalpur, Madhya Pradesh

Aug. 2016 – July, 2020

TECHNICAL SKILLS

- **Languages:** C++, C, SQL, Python, LaTeX
- **Technologies:** SQLite, Git, Dagshub

EXPERIENCE

Circlebase

- NLP Intern
 - Designed and developed various OCR to extract textual information from images.
 - Working on different projects on named entity recognizer and relationship extractor.

Bengaluru, Karnataka

Nov 2021 - Present

Omdena(Internet & Jurisdiction Policy Network)

Remote

- Lead Machine Learning Engineer
 - Knowledge graph generated using triplet extractor from wikipedia article.
 - Datasphere was designed and developed using NLP tools such as Spacy, Stanford coreNLP and NLTK.
 - Use to understand and visualize a large corpus of texts for policy makers.

Sept 2021 - Nov 2021

Intec Infonet Pvt. Ltd.

New Delhi, India

- Software Engineer Intern
 - Developed an automatic timetable system that has succeeded in solving the university timetable problem. We also showed how to embed a timetable system as a desktop application.
 - Learnt good security development standards and practices.

June 2018 - July 2018

PROJECTS

Intelligent Question Generation

- Generated Fill Up, Multiple choice questions, Wh and Factoid questions from articles.
- Designed multitude of POS tagger, and deep learning based fill up which can be comprehended from text corpus.
- Utilized NLP stanford parser, Rake NLTK, Spacy POS tagger, and word2vec word embedding to generate different question formats.

Abnormal Event Detection in Video

- This model provides a way for machines to learn to distinguish between normal everyday events and unusual activities.
- Our architecture consists of two main components, one to capture spatial features and the other to understand the temporal evolution of spatial features on UCSD Dataset.

Strength-Weakness of Product

- Devised the rating of the features of the e-commerce product from customer rating and summarise it in good and bad features about the product .
- Developed a model which uses various NLP techniques to identify the rating of the feature.

ACHIEVEMENTS

- Qualified for the ACM ICPC 2018 Kolkata-Kanpur site contest held at UIET, CSJM University, Kanpur.
- Codechef Rating - 1883 (amit_9)
- “So you think you can code” Organised a coding competition on Hackerearth.
- Gold medal in chess Avahan 2018 (Intra college competition).