

Amit Kumar

<https://amitkumar0902.github.io/>

Email : ak6.amitkumar@gmail.com

Mobile : +918989691459

EDUCATION

Indian Institute of Space Science and Technology

Thiruvananthapuram, Kerala

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

Aug. 2020 – July, 2022

Jabalpur Engineering College

Jabalpur, Madhya Pradesh

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

Aug. 2016 – July, 2020

TECHNICAL SKILLS

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

EXPERIENCE

Internet & Jurisdiction Policy Network

Remote

- Machine Learning Engineer

Sept 2021 - Present

- Collaborating with Omdena team on Leverage AI to crowdsource mapping of the Datasphere.
- Automating data collection for mapping and cartography the Datasphere, enabling predictive modeling on how the Datasphere will continue to expand.

Intec Infonet Pvt. Ltd.

New Delhi, India

- Software Engineer Intern

June 2018 - July 2018

- Developed an automated timetable system that is successful in solving colleges lecture-course timetabling problems. We have also shown how we can fit our timetabling system as a Desktop Application.
- Learnt good security development standards and practices.

PROJECTS

Intelligent Question Generation

- Generated Fill Up, Multiple choice questions, Wh and Factoid questions generation from articles.
- Designed multitude of fuzzy logics, POS tagger, business rule and deep learning based fill up and wh questions 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

- Recognition of abnormal activity in video using Spatiotemporal Autoencoder. The system is suitable for outdoor surveillance cameras.
- Our architecture includes two main components, one for spatial feature representation, and one for learning the temporal evolution of the spatial features. Experimental results on UCSD dataset.
- The model provides a method for the machine to learn how to distinguish between normal everyday occurrences from abnormal activities.

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).