Aman Khullar

https://amankhullar.github.io

aman.khullar@oniondev.com

EDUCATION

Netaji Subhas Institute of Technology, University of Delhi   New Delhi, India
Bachelor of Engineering in Information Technology   *Aug. 2015 – May. 2019*
First Class with Distinction (CGPA: 8.65/10.00)

EXPERIENCE

Gram Vaani   Gurugram, India
Research Associate   *Mar 2020 - Present*
- Building Automatic Content Moderation tools for in-house moderators, Voicebot based surveys for user data collection, Automatic question-answering system for IVR platforms while learning the role of policies in society and considerations required to ensure empowering people through technology.

Product Labs, IIIT Hyderabad   Hyderabad, India
Research Engineer   *Jul 2019 - Feb 2020*
- Developed a deep learning based document question answering algorithm to extract answers from a large number of documents to assist users with their natural language queries.
- Productized the research which formed the initial product for the startup, 'Subtl.ai' and shipped to 2000 users.

Laboratory for Computational Social Systems, IIIT Delhi   New Delhi, India
Research Intern   *Dec 2018 - Jan 2019*
- Implemented baseline papers in the field of multimodal summarization and extractive text summarization on our own Coursera dataset and evaluated them using Rouge scores.

PUBLICATIONS

Mira Johri, Sumeet Agarwal, **Aman Khullar**, Dinesh Chandra, Vijay Sai Pratap, Aaditeshwar Seth. The first 100 days: How has COVID-19 affected poor and vulnerable groups in India? 2020 (Under review - talk presented at Canadian Conference on Global Health and drafted a Policy Brief).

Aman Khullar*, Udit Arora* (2020), MAST: Multimodal abstractive summarization with trimodal hierarchical attention. In Proceedings of the First EMNLP Workshop on NLP Beyond Text (* = equal contribution).

Abhishek Arora*, **Aman Khullar***, Sarath Chandra Pakala*, Vishnu Ramesh*, Manish Shrivastava (2020), Subtl.ai at the FinSBD-2 task: Document Structure Identification by Paying Attention. In Proceedings of the Second Workshop on Financial Technology and Natural Language Processing (* = equal contribution).

PROJECTS & LEADERSHIP

- **MultiModal BiDirectional Attention Flow model**: Developed a novel multimodal attention based model for solving the task of multimodal summarization for my bachelors thesis and was awarded 3rd highest grade (among 100 students) for my work.
- **Interaction of Game Theory and Machine Learning in a connected World**: Worked on a project surveying the intersection of algorithmic game theory and machine learning. Awarded highest grade for my work.
- **Autonomous Mars Rover**: Co-founded and team lead of ARES, NSIT's first Mars rover team for University Rover Challenge. We were among the top 71 teams in the URC and among the top 30 teams in the European Rover Challenge.

ACADEMIC SERVICE & AWARDS

- **Program Committee**: EMNLP Workshop on NLP Beyond Text, 2020
- **Google Research India AI Summer School**: Among the 150 candidates selected for the AI summer school in 2020
- **India's Brightest 33 Engineers**: Among the 2018 cohort of 33 students recognized as the brightest Engineers of India by the Economic Times
- **Global Food Ambassador**: Among 278 ambassadors worldwide, selected by Thought For Food organization in 2017 to work with food entrepreneurs and find innovative solutions to the problem of feeding 9 billion people by 2050

SKILLS

- **Languages and Frameworks**: Python, C/C++, PyTorch, Git, MySQL, Django