

Tanya Chowdhury

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EDUCATION

University of Massachusetts, Amherst

MS/Ph.D. in Computer Science

4.0/4.0

Jan. 2020 – Present

Indraprastha Institute of Information Technology (IIIT -Delhi)

B.Tech in Computer Science and Engineering (with Honours)

9.31/10

Aug. 2014 – May 2018

EXPERIENCE

Software Engineer

Myntra Designs

July 2018 – July 2019

Bengaluru, India

- Worked on improving user intent understanding in ambiguous search queries
- Implemented architectures to enable content AB testing to improve conversion.
- Built grpc services and apache-storm topologies. Used Solr and Elastic Search enterprise search engine.

Software Engineering Intern

Google

May. 2017 – August. 2017

Bengaluru, India

- Worked on a Proof of Concept project to build a Topically bundled view of Gmail and Inbox, to coexist with the existing date-wise sorted view.
- Experimented with different feature selections and clustering methods to determine best way to bundle mails into topically related clusters.
- Based on the clusters, recommended users to take bundle level collective action such as : Mark as Read, Move to Spam, Assign a label, filter etc.

Research Intern

Indian Space Research Organisation

Dec 2017 – May 2018

Hyderabad, India

- Improved classification from multi-resolution Panchromatic & Multi-spectral payloads using spectral and textural features.
- Used self organizing maps on five channels to map data into Water, Land, Cultivation, Habitat etc.

PUBLICATIONS

Dey, Alvin, **Tanya Chowdhury**, Yash Kumar Atri, and Tanmoy Chakraborty. "Corpora Evaluation and System Bias Detection in Multi-document Summarization." In *Proceedings of Findings of EMNLP (2020)*.

Chowdhury, Tanya, Sachin Kumar, and Tanmoy Chakraborty. "Neural Abstractive Summarization with Structural Attention." In *Proceedings of IJCAI (2020)*.

Chowdhury, Tanya, and Tanmoy Chakraborty. "CQASUMM: Building references for community question answering summarization corpora." In *Proceedings of the ACM India Joint International Conference on Data Science and Management of Data*, pp. 18-26. 2019.

Mukherjee, Arpan, Shubhi Tiwari, **Tanya Chowdhury**, and Tanmoy Chakraborty. "Automatic Curation of Content Tables for Educational Videos." In *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval*, pp. 1329-1332. 2019.

Chowdhury, Tanya, Aashay Mittal, and Tanmoy Chakraborty. "VIZ-Wiki: Generating visual summaries to factoid threads in community question answering services." In *Companion Proceedings of the The Web Conference 2018*, pp. 231-234. 2018.

TEACHING EXPERIENCE

CS220 Programming Methodology

Responsible for curating and conducting discussion sessions, holding office hours and grading

UMass Amherst

Sep. 2020 – Dec. 2020

CS145 Representing, Storing, and Retrieving Information

Responsible for holding office hours and grading

UMass Amherst

Jan. 2020 – May 2020

MTH 310 Graph Theory

Responsible for conducting weekly discussion sessions, hosting quizzes and grading

IIIT-Delhi

Jan. 2018 – May. 2018

CSE 121 Discrete Mathematics

Head TA, responsible for curating homeworks and exams, supervising grading.

IIIT-Delhi

Aug. 2017 – Dec. 2017

HONORS

Member of Dean's list for academic excellence at IIIT-Delhi for 3 academic years.

Received the TA award for Discrete Mathematics: usually conferred only to PhD students in IIIT-Delhi.

Recipient Invite and Travel grant, Google I/O 2017.

Received full scholarship from CBSE to pursue study in pure maths or science streams.

2nd from state of Gujarat in Indian National Mathematics Olympiad 2014 amongst 12th grade students.

CONTACT INFORMATION

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