

# MOHIT CHANDRA

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## EXPERIENCE

### Software Engineer (AI/ML)

#### Microsoft

- 📅 July 2020 – Present   📍 Hyderabad, India
- Presently working as Software Engineer in the Bing Team (STCI) at Microsoft IDC.
- I work in the developer and QnA segment responsible for answering queries related to coding, technology products and tech trivia.

### Research Associate

#### Georgia Tech

- 📅 May 2021 – Present   📍 Remote
- Working as a Research Associate under the supervision of Prof. Munmun De Choudhury. My work aims to examine the effect of the COVID-19 pandemic on the employees at their respective workplaces.

### Research Assistant

#### Precog Research Group (IIIT-Hyderabad)

- 📅 December 2018 – July 2020   📍 Hyderabad, India
- Worked as an RA under the supervision of Prof. Ponnurangam Kumaraguru. My work focused on the topic of detection and analysis of hate speech on social media platforms. Specifically, I worked on general purpose abuse detection, multimodal Antisemitism detection and large-scale quantitative study analyzing Islamophobia.

### Teaching Assistant

#### IIIT Hyderabad

- 📅 August 2017 – May 2020   📍 Hyderabad, India
- Responsible for setting up the assignments, checking papers and taking tutorials for the following subjects:  
Introduction to Machine Learning, Introduction to Software Engineering, Operating Systems, Distributed Systems

## PUBLICATIONS

- “A Virus Has No Religion”: Analyzing Islamophobia on Twitter During the COVID-19 Outbreak (Link)  
*Mohit Chandra\**, Manvith Reddy\*, Shradha Sehgal\*, Saurabh Gupta, Arun Balaji Buduru, Ponnurangam Kumaraguru  
Accepted at ACM Conference on Hypertext and Social Media (HT '21)
- “Subverting the Jewtocracy”: Online Antisemitism Detection Using Multimodal Deep Learning. (Link)  
*Mohit Chandra*, Dheeraj Pailla\*, Himanshu Bhatia\*, Aadil Mehdi Sanchawala, Manish Gupta, Manish Shrivastava, Ponnurangam Kumaraguru  
Accepted at ACM WebScience 2021
- AbuseAnalyzer: Abuse Detection, Severity and Target Prediction for Gab Posts. (Link)  
*Mohit Chandra*, Ashwin Pathak, Eesha Dutta, Paryul Jain, Manish Gupta, Manish Shrivastava, Ponnurangam Kumaraguru  
Accepted at Conference on Computational Linguistics (COLING 2020)
- Exact Passive-Aggressive Algorithms for Ordinal Regression Using Interval Labels. (Link)  
*Naresh Manwani*, *Mohit Chandra*  
Accepted at IEEE Transactions on Neural Networks and Learning Systems

## EDUCATION

B.Tech & M.S in Computer Science and Engineering (Masters in ML & NLP) (Expected Graduation in February 2021)

#### IIIT Hyderabad

- 📅 August 2015 – February 2021
- CGPA: 9.04/10

## ACHIEVEMENTS

- Served as a reviewer for AAAI Conference on Web & Social Media (ICWSM) 2021.
- Received Dean's Merit List award for Academic Excellence for 4 consecutive years
- Received Dean's Research award for publishing a paper in a top-tier journal.

## PROJECTS

### SDQC Classification for Rumour Detection (Sem Eval Task 7)

- Given a source tweet, tweets in a conversation are classified as either supporting, denying, querying or commenting. Experimented with different Statistical ML and deep learning based approaches, the best approach gave an accuracy ~ 70%.

### Parallel Programs on Distributed Systems

- Worked on development of parallel programs using Message Passing Interface on Distributed Systems. Developed parallel programming version for multiple tasks like creating Term-Document matrix, Distributed Grep, Parallel Merge sort.

### Machine Translation Using Seq2Seq models with Attention

- Developed a Neural Machine Translation system using sequence to sequence networks along with attention for English and French. The system uses an encoder and attention decoder based on LSTMs.

### Tic Tac Toe AI Bot

- Developed an AI bot on python which plays 16X16 Tic-Tac-Toe with Human or with other Bots through the command Line Interface. The bot uses the concept of Iterative DFS with Alpha-Beta Pruning.

## SKILLS

C++, C, C#, Python, Machine Learning, NLP, Keras, Pytorch, Java  
Assembly, SQL, MATLAB, OpenCV, OpenGL, Latex, HTML/CSS

## POS. OF RESPONSIBILITY

- **Coodinator, Alumni Cell**
  - Responsible for handling all the activities related to the alumni affairs.
- **Content Coordinator, Felicity**
  - Responsible for creating content for the promotion of various events of the college's annual fest "Felicity".