

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.
- My work involves implementation of new NLP and data science techniques for improving tech query experience on Bing.com.

Research Assistant

Georgia Tech

📅 May 2021 – Present Present 📍 Remote

- Working as an RA under the supervision of Prof. Munmun De Choudhury. My work aims to examine how machine learning may be applied on patient-contributed social media data for informed clinical decision-making.

Research Assistant

Precog Research Group (IIIT-Delhi)

📅 December 2018 – Present 📍 Hyderabad, India

- Working as an RA under the supervision of Prof. Ponnurangam Kumaraguru. My work focuses on the topic of detection and analysis of hate speech on social media platforms using Machine Learning.

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

- “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 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
- “CoronaJihad”: Analyzing Islamophobia During the COVID-19 Outbreak
Mohit Chandra, Manvith Reddy, Shradha Sehgal, Saurabh Gupta, Arun Balaji Buduru, Ponnurangam Kumaraguru
Submitted to NAACL-HLT 2021

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

- Presently serving as a reviewer for AAAI Conference on Web & Social Media (ICWSM) 2021.
- In Dean's Merit List for Academic Excellence (top 5 % of the batch)
- Dean's Research Awardee 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

- Coordinator, 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".