

## Employment

<b>Research Assistant</b>	<b>IIT-Bombay</b>	<b>August'20 – Ongoing</b>
Understand Emotions in Sarcasm: A Multi-modal Approach		
<ul style="list-style-type: none"><li>Working with IBM-AIHN network on studying the Effect of Sarcasm in Emotion Analysis using a <b>Multi-Modal Meta-Learning</b> framework.</li><li>Leveraging the audio modality using self-supervised learning-<b>PASE</b>, unsupervised learning-<b>wav2vec</b>.</li></ul>		
<b>Teaching Assistant</b>	<b>IIT-Bombay</b>	<b>July'18 – July'20</b>
<ul style="list-style-type: none"><li>Courses: Computer Programming and Utilization, Embedded Systems.</li><li>Promoted to Senior TA in July'19; led weekly meetings and supervised five other TAs.</li></ul>		

## Publication

<b>Home Automation Using Panoramic Image Using IoT</b>
<ul style="list-style-type: none"><li>Published in 2018 International Conference on Recent Innovations in Electrical, Electronics Communication Engineering (ICRIEECE).</li></ul>

## Education

<b>Mumbai, IN</b>	<b>IIT-Bombay</b>	<b>July'18 - July'20</b>
<ul style="list-style-type: none"><li>M.Tech in Computer Science and Engineering, July 2020. CPI: <b>8.43</b> (on scale of 10).</li><li>Graduate Coursework: Foundations in Machine Learning; Advance Machine Learning; Mathematics for Visual Computing; Combinatorics; Algorithms and Complexity; Relational Databases.</li></ul>		
<b>Mumbai, IN</b>	<b>University of Mubai</b>	<b>June'14 – June'18</b>
<ul style="list-style-type: none"><li>B.E. in Computer Engineering, June 2018. CPI: <b>9.07</b> (on scale of 10).</li><li>Undergraduate Coursework: Operating Systems; Databases; Data Structures and Algorithms; Programming Languages; Applied Mathematics; Computer Networks; Theory of Computer Science.</li></ul>		

## Master Thesis

<b>Computational Model to Understand Emotions in Sarcasm</b>
<ul style="list-style-type: none"><li>Created dataset 'emo-UStARD' by annotating 'MUSTARD' with 8 primary emotions, arousal &amp; valence values.</li><li>Conducted experiments exploring every aspect of textual modality &amp; observed <b>18% increase in accuracy score</b> in multi-label Emotion Prediction when additional information is passed. (<b>EMNLP'2020</b> Submission)</li></ul>

## Other Technical Projects

<ul style="list-style-type: none"><li><b>Investigating importance of Emojis in Sarcasm Detection (2019):</b> Incorporated the features from <i>knowledge graphs</i> in modelling the problem. The accuracy for the tweets were close to 90%. using emojis.</li><li><b>Insincere Question detection in Quora (2019):</b> Used and tested state-of-the-art BERT and ELMo to obtain question representations achieved an F-score of 0.60.</li><li><b>Movie Recommend System (2018):</b> Modelled this problem as <i>collaborative based filtering</i> using IMDB dataset.</li><li><b>Term Deposit Subscription Prediction:</b> Analyzed the data using <b>Spark Dataframes</b>. Modelled this binary classification problem using Logistic regression available in MLlib of PySpark.</li></ul>
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## Languages and Technologies

<ul style="list-style-type: none"><li>C++; C; Python; SQL; HTML; JavaScript; Git.</li><li>PyTorch; Django; Wordnets; EmojiNet; LIME Interpretation; PySpark; Hadoop(Limited Exposure)</li></ul>
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## Additional Experience and Awards

<ul style="list-style-type: none"><li><b>Flipkart Grid (2019):</b> Secured 4<sup>th</sup> position within the campus.</li><li><b>Second Prize, Inter-College Project Competition 2018</b> at St.Francis Institute of Technology, Mumbai.</li></ul>
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