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Saichethan M. Reddy

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Education

Dallas, TX **University of Texas at Dallas** **August 2021 – May 2023**
- Master of Science in Computer Science, Intelligent Systems Track.
- Graduate Coursework: Artificial Intelligence; Machine Learning; Databases; Algorithms;

Bihar **IIIT Bhagalpur** **August 2017 – May 2021**
- Bachelor's of Technology in Computer Science and Engineering.
- Undergraduate Coursework: Artificial Intelligence; Machine Learning; Operating Systems; Software Engineering; Databases; Computer Architecture; Algorithms;

Employment

Research Assistant **BITS Pilani, Goa Campus** **January 2021 – Present**
- Developed an attention-based ranking scheme for selecting important and informative sentences
- Proposed an additional relevance-based algorithm to improve the diversity

Research Assistant **AI-ML-NLP Lab** **March 2020 – August 2020**
- Designed systems for the CL-SciSumm, LongSumm, LaySumm tasks of SDP workshop at **EMNLP**
- Achieved the best performance on community summaries on Task 2 of CL-SciSumm
- Devised a CNN based supervised system, which obtained 3rd position for LongSumm task
- Attained the highest recall of all submitted for the LaySumm

Summer Research Intern **IIT Patna** **May 2019 – August 2019**
- Worked on developing a Multi-Modal Named Entity Recognition (NER)system
- Proposed a novel attention mechanism for creating better shared space of images and words

Technical Experience

Projects
- **Sarcasm Detection** (2020): Investigated sarcasm detection in different semantic spaces, on different publicly available datasets like The Onion and Reddit.
- **Clinical Trial Summarization** (2020) Implemented a Novel Multi objective optimization based Extractive summarization on clinical trial dataset.
- **Student Leave management System** (2019) Created a portal for online leave management system for students as part of software engineering coursework

Additional Experiences and Awards

- **Fellowship:** Received the Jonsson School $1,000 Graduate Study Scholarship
- **Workshop Chair:** Coordinated the SDPRA workshop at 25th PAKDD 2021
- **Travel Grant:** Recieved an invitation and travel grant to attend the TensorFlow Dev Summit
- **Instructor:** Teaching Assitant(TA) for machine learning and web development sessions
- **Peer review:** Served as a peer reviewer for #WNUT 2020, #SMM4H 2020 workshops
- **Volunteer Service:** Volunteered at ACL 2020 and Sponsorship Liaison at EMNLP 2020

Languages and Technologies

- C++/C; Python; SQL; Keras; Tensorflow; Sklearn; Python; JavaScript;
- GitHub; Data Analysis; Web Development; Structured Data; AMP;