

Miriyala Sai Chethan Reddy

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EDUCATION

Master of Science in Computer Science, University of Texas at Dallas Dec 2022

Relevant Coursework: Database Design, Big Data, and Machine Learning.

Bachelor of Technology in Computer Science, Indian Institute of Information Technology 2017 - 2021

SKILLS

Technical Skills Python, C/C++, SQL, Object-Oriented Design, Programming
Frameworks Tensorflow, Keras, Sklearn, Flask, Git, Linux

EXPERIENCE

Summer Internship

[BITS Pilani](#)

Jan 2021 - July 2021

- Designed an attention-based ranking scheme for selecting important and informative sentences.
- Improved ROUGE scores by 9% by integrating a relevance-based algorithm for the diversity

Student Software Developer

[AI-NLP-ML Lab](#)

May 2020 - Dec 2020

- Developed systems for the CL-SciSumm, LongSumm, LaySumm tasks of SDP workshop at **EMNLP**
- Attained the best performance on community summaries on Task 2 of CL-SciSumm

Summer Research Internship

[IIT Patna](#)

May 2019 - Aug 2019

- Designed a Large-scale Multimodal NER system using tweets, hypertext, and images.
- Achieved 12% improvement in F1 score using character level hand-crafted features.

PROJECTS

Bitcoin Transaction System (2021) Developed a real time web based bitcoin trading application with client and trader views. Created interface for viewing transaction reports and insights

Identifying Mental Health Disorders (2021) Curated a large-scale dataset consisting of dyadic conversations for multiple mental illnesses between users. Designed a dual attention network modelling conversations.

Sarcasm Detection (2020): Investigated sarcasm detection in different semantic spaces, on different publicly available datasets like The Onion and Reddit.

EXTRA-CURRICULAR ACTIVITIES AND AWARDS

- **Fellowship:** Received the Jonsson School Graduate Study Scholarship.
- **Workshop Chair:** Coordinated the SDPRA workshop as the Lead organizer at 25th PAKDD 2021.
- **Instructor:** Teaching Assistant(TA) for graduate level Discrete Structures course
- **Leadership:** Google Developer Student Club Founder & President.

SELECTED PUBLICATIONS

- [A Shoulder to Cry on: Towards A Motivational Virtual Assistant for Assuaging Mental Agony, NAACL 2022](#)
- [Isn't it ironic, don't you think?, ICONIP 2021](#)
- [Generating Diverse Extended Summaries of Scientific Articles, IJCNN 2021](#)
- [Why Pay More? A Simple and Efficient Named Entity Recognition System for Tweets](#)