

## Education

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**Bihar** **IIIT Bhagalpur** **August 2017 – May 2021**

- Bachelor's of Technology in Computer Science and Engineering.
- Teaching Assistant(TA) for machine learning and web development sessions.

## Employment

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**Research Assistant** **BITS Pilani, Goa Campus** **January 2021 – Present**

- Develop 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**

- Developed systems for the CL-SciSumm, LongSumm, LaySumm shared tasks of SDP workshop at EMNLP
- Our system have achieved the best performance on community summaries on Task 2 of CL-SciSumm.
- Developed a CNN based supervised system, which obtained 3rd position for LongSumm shared task
- And our LaySumm system has the highest recall of all submitted systems

**Lead** **Google Developer Student Club** **August 2019 – May 2020**

- Club founder, started with 2 others, now consists of more than 150 active members.
- Promotes and helps in building more secure and accessible web.
- Built website of the club and optimized code which made 75% faster rendering and performance of webpages.
- Our team made it to top 20 teams from all over India in SV.co 2018 challenge

**Winter Research Intern** **IIT Patna** **December 2019 – January 2020**

- Developed a meta-heuristic evolutionary algorithm based Multi-view clustering framework (MV-M-SDS) considering syntactic and semantic views.
- Achieved higher performance than any existing unsupervised systems for scientific document summarization on SciSumm 2016 and 2017 datasets.

**Summer Research Intern** **IIT Patna** **May 2019 – August 2019**

- Worked on developing a Multi-Modal Named Entity Recognition (NER) system, which uses both Visual features and textual (word-level & character level) embeddings.
- Experimented using different attention mechanism for creating better shared space of images and words.

## Technical Experience

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### 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) Designed and implemented a Novel Multi objective optimization based Extractive summarization on clinical trial dataset.
- **End-to-end Sequence Labeling** (2019) Using Bi-directional LSTM-CNNs-CRF based architecture for Named Entity Recognition in Tweets.
- **Student Leave management System** (2019) Created a portal for online leave management system for students as part of software engineering coursework

## Languages and Technologies

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

## Honour's & Responsibilities

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- **Workshop Chair:** Co-organizer of SDPRA workshop at 25th PAKDD 2021
- **Peer review:** Served as a peer reviewer for WNUT 2020, SMM4H 2020 workshops at EMNLP & COLING respectively and Journal of Computer Science, Science Publications
- **Volunteer Service:** Volunteer at ACL 2020 and Sponsorship Liaison at EMNLP 2020
- **Travel Grant:** Received an invitation and travel grant to attend the TensorFlow Dev Summit.
- **Bertelsmann Data Science Scholarship 2019:** Selected for second phase of scholarship out of 15,000 participants worldwide after successfully completing challenge course, and placed in Business Analyst track.
- **Mentor:** Served as a project mentor for GSSoC 2018
- **Google India Challenge Scholarship 2018:** After successfully completing challenge got selected for second stage 1 in 350 out of 10,000 people in challenge course.
- **PinkRoses:** Started an online breast cancer awareness campaign, where people can learn about breast cancer, prevention and diagnosis.

## Publications

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- Suman, C., **Saichethan Miriyala Reddy**, Sriparna Saha and P. Bhattacharyya. "Why Pay More? A Simple and Efficient Named Entity Recognition System for Tweets." Expert Systems With Applications (2020): 114101.
- **Reddy, Saichethan Miriyala** and Saisree Miriyala. "Exploring Multi Feature Optimization for Summarizing Clinical Trial Descriptions." 2020 IEEE Sixth International Conference on Multimedia Big Data (BigMM) (2020): 341-345.
- **Reddy, Saichethan**; Tyagi, Kanishk ; Anand Tripathi, Abhay; Pawar Ambika; Kotecha Ketan, "Tweets Reporting Abuse Classification: TRACT" Congress on Intelligent Systems (CIS) (2020)

## Workshops

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- **Reddy, Saichethan**, Naveen Saini, Sriparna Saha, and Pushpak Bhattacharyya. "IITBH-IITP@ CL-SciSumm20, CL-LaySumm20, LongSumm20." In Proceedings of the First Workshop on Scholarly Document Processing, pp. 242-250. 2020.
- **Reddy, Saichethan**, and Pradeep Biswal. "IITBH at WNUT-2020 Task 2: Exploiting the best of both worlds." In Proceedings of the Sixth Workshop on Noisy User-generated Text (W-NUT 2020), pp. 342-346. 2020.
- **Reddy, Saichethan** "Detecting Tweets Reporting Birth Defect Pregnancy Outcome using Two-View CNN RNN based Architecture" In Proceedings of the Fifth Workshop on Social Media Mining for Health Applications (SMM4H 2020)
- **Reddy, Saichethan**, Suman, Chanchal, Sriparna Saha, and Pushpak Bhattacharyya. "A GRU-based Fake News Prediction System: Working Notes for UrduFake-FIRE 2020" In FIRE (Working Notes)