

Sai Chethan Reddy

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EDUCATION

Master of Science in Computer Science,

December 2022

The University of Texas at Dallas

Eric Jonsson School Graduate Study Scholarship recipient

SKILLS

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

EXPERIENCE

Software Developer Intern

May 2022 - Aug 2022

Amazon

Seattle, WA

- Designed a pipeline for automating the retrieval of accounting reports from Getnet payment partner, which accounts for about 50% of Brazil digital transactions.
- Created resources to perform analysis and further payment validation on these reports using AWS Athena
- Achieved a 10-20% of oncall effort reduction by integrating SmartTTBots, and creating alarms and dashboards.

Summer Internship

Jan 2021 - July 2021

BITS Pilani

Goa, India

- 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
- Detailed ablation study of our works got published in [International Joint Conference on Neural Networks](#)

Summer Research Internship

May 2019 - Aug 2019

IIT Patna

Patna, India

- Designed a Large-scale Multimodal NER system using tweets, hypertext, and images.
- Achieved 12% improvement in F1 score using character level hand-crafted features.
- Performed a detailed study with combinations of text & image-based modalities with attention.
- Results of this study got published in the [Expert Systems with Applications](#) journal

PROJECTS

Soccer Search Engine (2022) Designed a full scale search engine for soccer, using 100k web pages to rank and retrieve using different methods like PageRank, HITS and clustering algorithms. Achieved significant overlap of webpage rankings with exiting search engines like Google and Bing

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 modeling conversations. This work got published in the IEEE Transactions on Computational Social Systems journal

Sarcasm Detection (2020): Investigated sarcasm detection in different semantic spaces, on different publicly available datasets like The Onion and Reddit. Extension of this work got published at the 28th International Conference on Neural Information Processing

EXTRA-CURRICULAR ACTIVITIES

- **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.